



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197391
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1197391

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	ROMINE TRUST 3-1
Doc ID	1197391

All Electric Logs Run

DIL
CDL/CNL
BHCS
Microresistivity
CPI
fracfinder

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	ROMINE TRUST 3-1
Doc ID	1197391

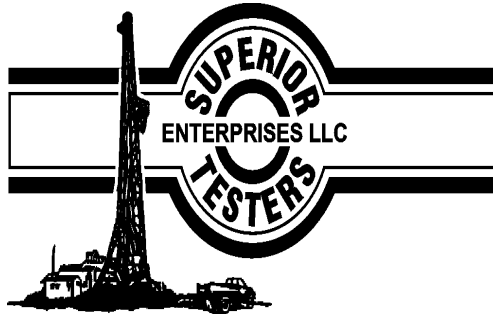
Tops

Name	Top	Datum
Anhydrite	907	+1056
Herrington	1817	+146
Winfield	1868	+95
Towanda	1936	+27
Fort Riley	1982	-19
Kinney Ls	2095	-132
Wrefold	2128	-165
Council Grove	2150	-187
Crouse	2187	-224
Neva	2322	-359
Red Eagle	2382	-419
Foraker	2411	-448
Onaga Shale	2529	-566
Wabaunsee	2550	-587
Root Shale	2608	-645
Stotler	2679	-716
Willard Shale	2703	-740
Tarkio	2736	-773
Howard	2874	-911
Severy Shale	2925	-962
Topeka	2954	-991
Heebner	3212	-1249
Toronto	3227	-1264
Douglas Shale	3242	-1279

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	ROMINE TRUST 3-1
Doc ID	1197391

Tops

Name	Top	Datum
Brown Lime	3299	-1336
LKC	3310	-1347
BKC	3533	-1570
Arbuckle	3617	-1654
Reagan Sand	3701	-1738
RTD	3800	-1837



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

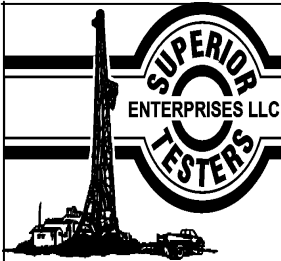
Start Date: 2014.03.15 @ 03:40:11

End Date: 2014.03.15 @ 09:26:11

Job Ticket #: 19146 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.15 @ 11:13:46



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19146

DST#: 1

Test Start: 2014.03.15 @ 03:40:11

GENERAL INFORMATION:

Formation: **Herington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:52:11

Time Test Ended: 09:26:11

Interval: 1782.00 ft (KB) To 1860.00 ft (KB) (TVD)

Total Depth: 1860.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Reference Elevations: 1964.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 118.94 psig @ ft (KB)

Start Date: 2014.03.15

End Date:

2014.03.15

Start Time: 03:40:11

End Time:

09:26:11

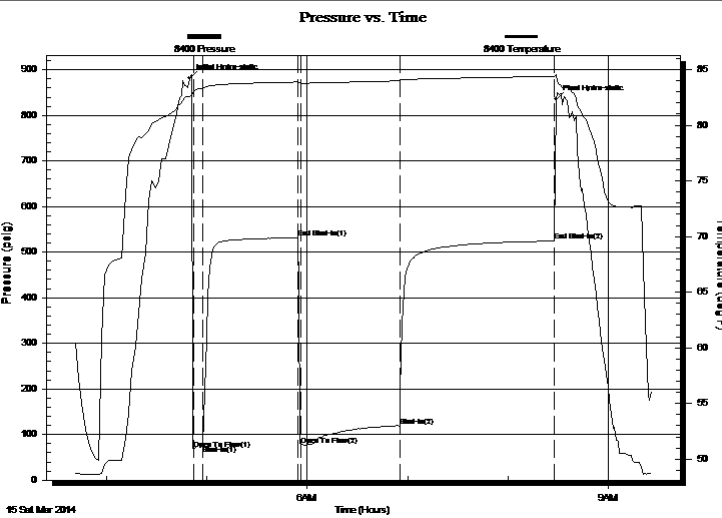
Capacity: 5000.00 psig

Last Calib.: 2014.03.15

Time On Btm: 2014.03.15 @ 04:49:41

Time Off Btm: 2014.03.15 @ 08:28:41

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in 1 minute
 1st Shut-in 60 Minutes-Very weak blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 1 minute gas to surface see gas report
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

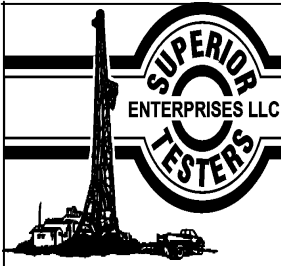
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	881.36	82.56	Initial Hydro-static
3	67.94	83.05	Open To Flow (1)
8	76.95	83.36	Shut-In(1)
65	530.83	83.89	End Shut-In(1)
67	77.19	83.79	Open To Flow (2)
126	118.94	84.00	Shut-In(2)
218	524.66	84.40	End Shut-In(2)
219	835.24	84.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.98
0.00	1693 gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.50	42.67
Last Gas Rate	0.25	30.90	71.86
Max. Gas Rate	0.25	30.90	71.86



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19146

DST#: 1

Test Start: 2014.03.15 @ 03:40:11

GENERAL INFORMATION:

Formation: **Herington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:52:11

Time Test Ended: 09:26:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Interval: 1782.00 ft (KB) To 1860.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 1860.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6731

Press@RunDepth: 522.21 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.14

End Date: 2014.03.15

Last Calib.: 2014.03.15

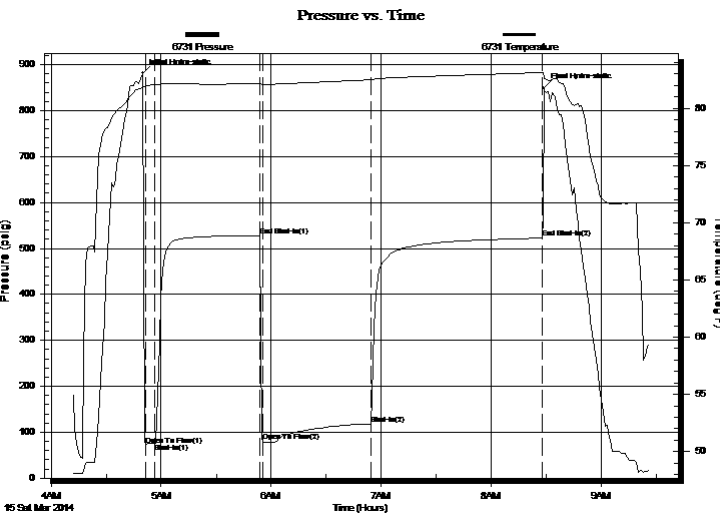
Start Time: 10:17:25

End Time: 09:26:27

Time On Btm: 2014.03.15 @ 04:49:57

Time Off Btm: 2014.03.15 @ 08:28:27

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in 1 minute
 1st Shut-in 60 Minutes-Very weak blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 1 minute gas to surface see gas report
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

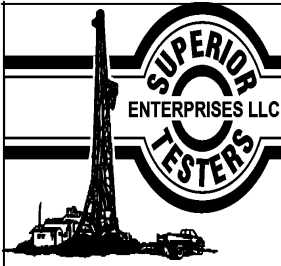
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	881.61	81.88	Initial Hydro-static
2	72.67	81.93	Open To Flow (1)
7	75.53	82.05	Shut-In(1)
64	528.23	82.19	End Shut-In(1)
66	79.45	82.10	Open To Flow (2)
125	117.22	82.50	Shut-In(2)
218	522.21	83.12	End Shut-In(2)
219	849.84	82.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.98
0.00	1693 gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.50	42.67
Last Gas Rate	0.25	30.90	71.86
Max. Gas Rate	0.25	30.90	71.86



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19146

DST#: 1

ATTN: Rene Husted

Test Start: 2014.03.15 @ 03:40:11

Tool Information

Drill Pipe:	Length: 1763.00 ft	Diameter: 3.80 inches	Volume: 24.73 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 24.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 28.00 lb
Depth to Top Packer:	1782.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			1759.00	
Hydraulic tool	5.00			1764.00	
Jars	6.00			1770.00	
Safety Joint	2.00			1772.00	
Packer	5.00			1777.00	28.00 Bottom Of Top Packer
Packer	5.00			1782.00	
Change Over Sub	0.50			1782.50	
Drill Pipe	63.00			1845.50	
Change Over Sub	0.50			1846.00	
Recorder	1.00			1847.00	
recorder	1.00			1848.00	
Anchor	9.00			1857.00	
Bullnose	3.00			1860.00	78.00 Bottom Packers & Anchor

Total Tool Length: 106.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19146

DST#: 1

ATTN: Rene Husted

Test Start: 2014.03.15 @ 03:40:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 26.00 sec/qt

Cushion Volume: bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 23000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	mud	0.982
0.00	1693 gas in pipe	0.000

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

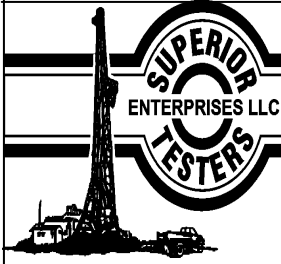
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19146

DST#: 1

ATTN: Rene Husted

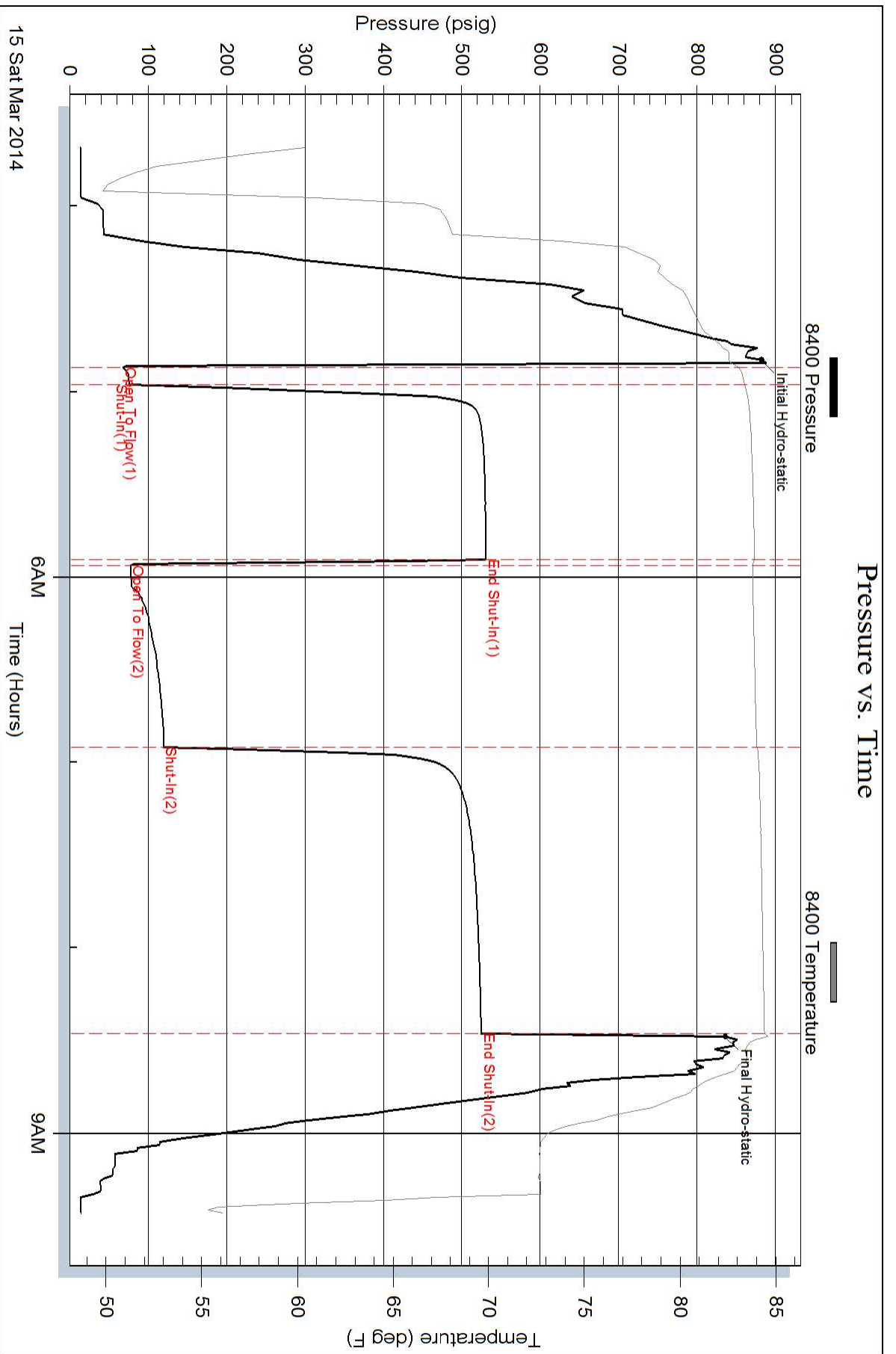
Test Start: 2014.03.15 @ 03:40:11

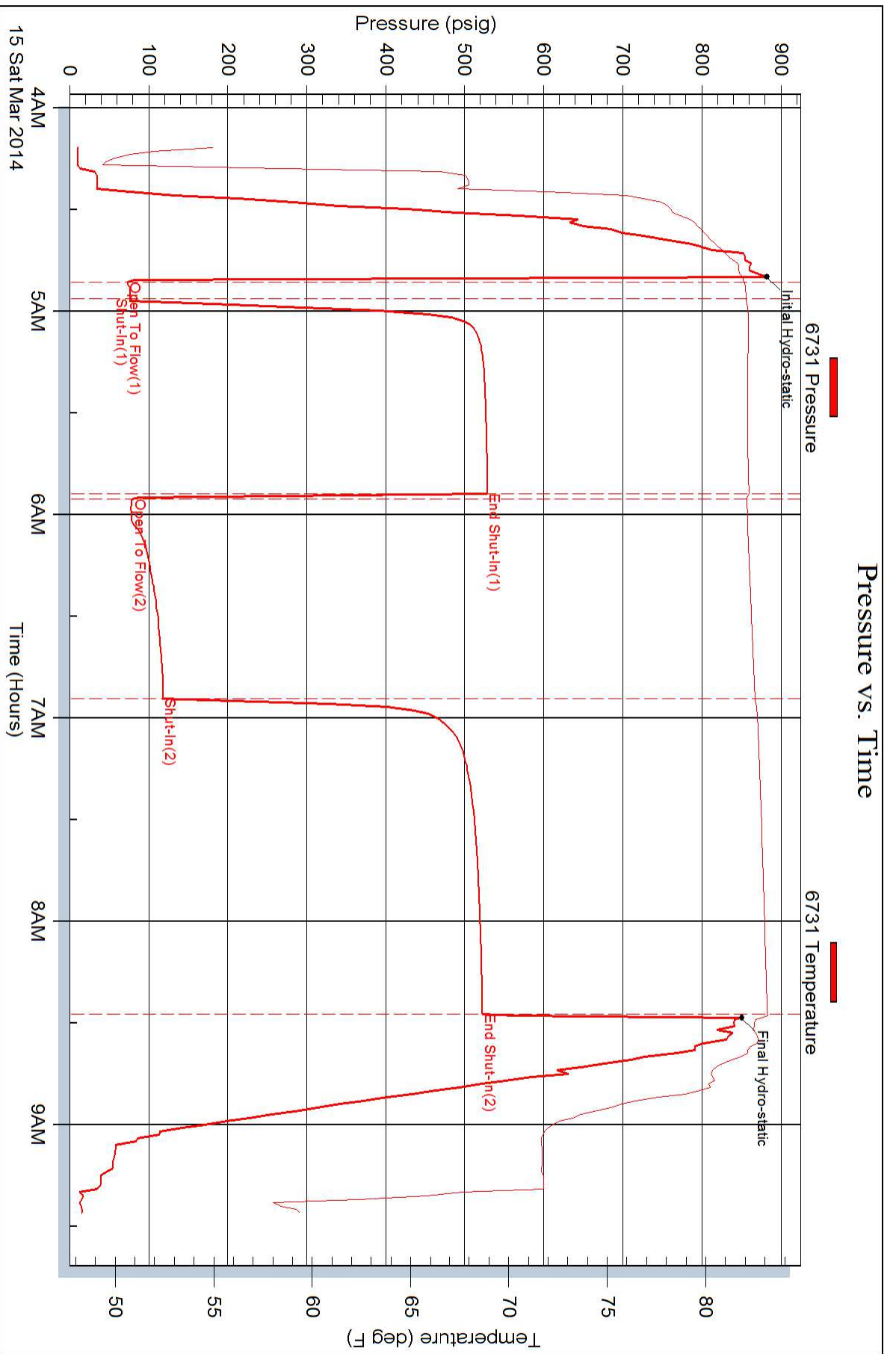
Gas Rates Information

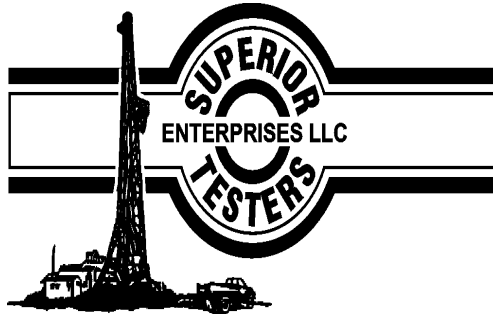
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	12.50	42.67
2	20	0.25	22.00	57.74
2	30	0.25	25.50	63.30
2	40	0.25	29.50	69.64
2	50	0.25	30.90	71.86







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

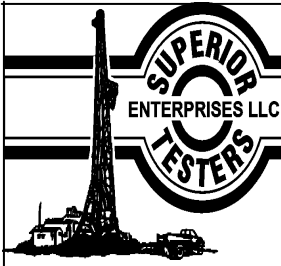
Start Date: 2014.03.18 @ 13:14:00

End Date: 2014.03.18 @ 20:46:30

Job Ticket #: 19147 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.18 @ 22:46:38



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19147

DST#: 2

Test Start: 2014.03.18 @ 13:14:00

GENERAL INFORMATION:

Formation: **Lansing KC F zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:42:00

Time Test Ended: 20:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Interval: **3362.00 ft (KB) To 3386.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3386.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 114.35 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.18

End Date: 2014.03.18

Last Calib.: 2014.03.18

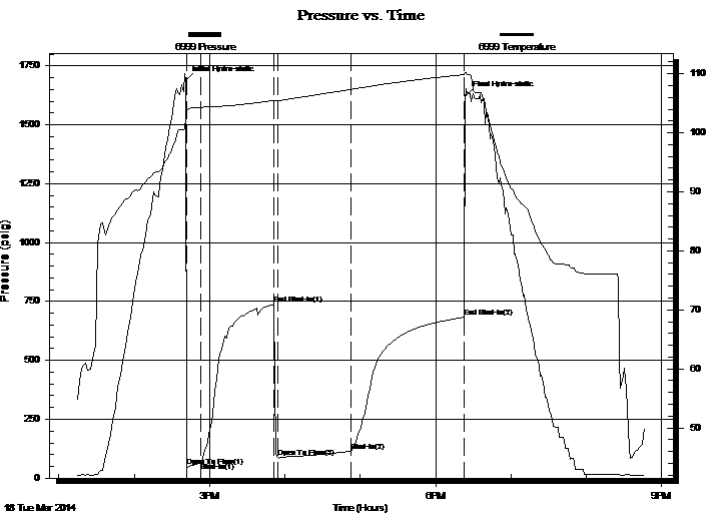
Start Time: 13:14:00

End Time: 20:46:30

Time On Btm: 2014.03.18 @ 14:41:00

Time Off Btm: 2014.03.18 @ 18:24:00

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 4 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 90 Minutes-1 inch blow back



PRESSURE SUMMARY

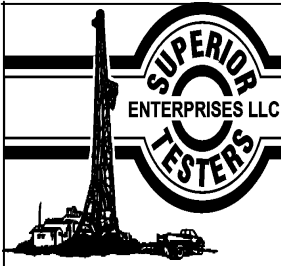
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.37	102.36	Initial Hydro-static
1	48.80	103.73	Open To Flow (1)
12	65.61	104.34	Shut-In(1)
71	737.63	105.52	End Shut-In(1)
74	86.69	105.45	Open To Flow (2)
132	114.35	107.36	Shut-In(2)
222	682.69	109.87	End Shut-In(2)
223	1622.03	110.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	clean gas oil 10%gas 90%oil	5.05
0.00	300 gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19147

DST#: 2

Test Start: 2014.03.18 @ 13:14:00

GENERAL INFORMATION:

Formation: **Lansing KC F zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:42:00

Time Test Ended: 20:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Interval: 3362.00 ft (KB) To 3386.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3386.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 683.26 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.18

End Date: 2014.03.18

Last Calib.: 2014.03.18

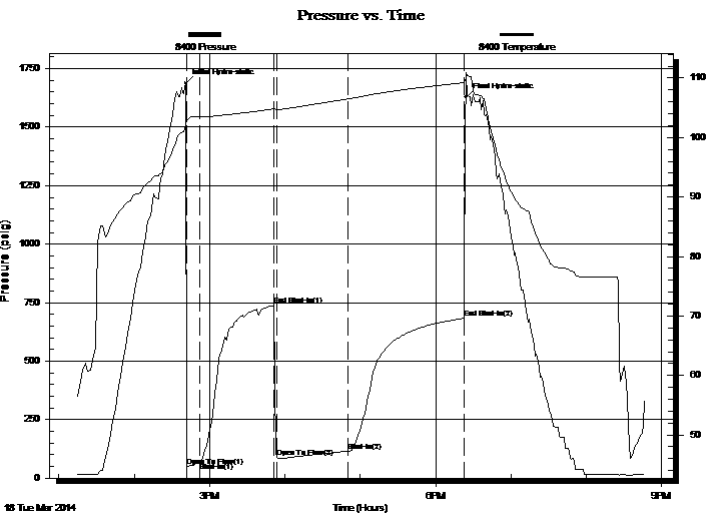
Start Time: 13:14:00

End Time: 20:47:00

Time On Btm: 2014.03.18 @ 14:41:00

Time Off Btm: 2014.03.18 @ 18:24:00

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 4 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 90 Minutes-1 inch blow back



PRESSURE SUMMARY

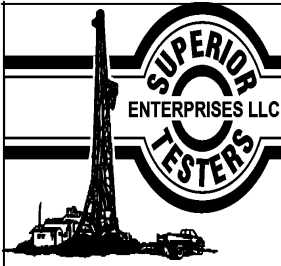
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.81	102.38	Initial Hydro-static
1	52.62	102.97	Open To Flow (1)
11	68.08	103.53	Shut-In(1)
71	738.52	104.86	End Shut-In(1)
73	88.29	104.64	Open To Flow (2)
130	115.77	106.50	Shut-In(2)
222	683.26	109.25	End Shut-In(2)
223	1627.02	109.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	clean gas oil 10%gas 90%oil	5.05
0.00	300 gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19147

DST#: 2

ATTN: Rene Husted

Test Start: 2014.03.18 @ 13:14:00

Tool Information

Drill Pipe:	Length: 3344.00 ft	Diameter: 3.80 inches	Volume: 46.91 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3362.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3339.00	
Hydraulic tool	5.00			3344.00	
Jars	6.00			3350.00	
Safety Joint	2.00			3352.00	
Packer	5.00			3357.00	28.00 Bottom Of Top Packer
Packer	5.00			3362.00	
Anchor	19.00			3381.00	
Recorder	1.00			3382.00	
Recorder	1.00			3383.00	
Bullnose	3.00			3386.00	24.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19147

DST#: 2

ATTN: Rene Husted

Test Start: 2014.03.18 @ 13:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	clean gas oil 10%gas 90%oil	5.050
0.00	300 gas in pipe	0.000

Total Length: 360.00 ft Total Volume: 5.050 bbl

Num Fluid Samples: 0

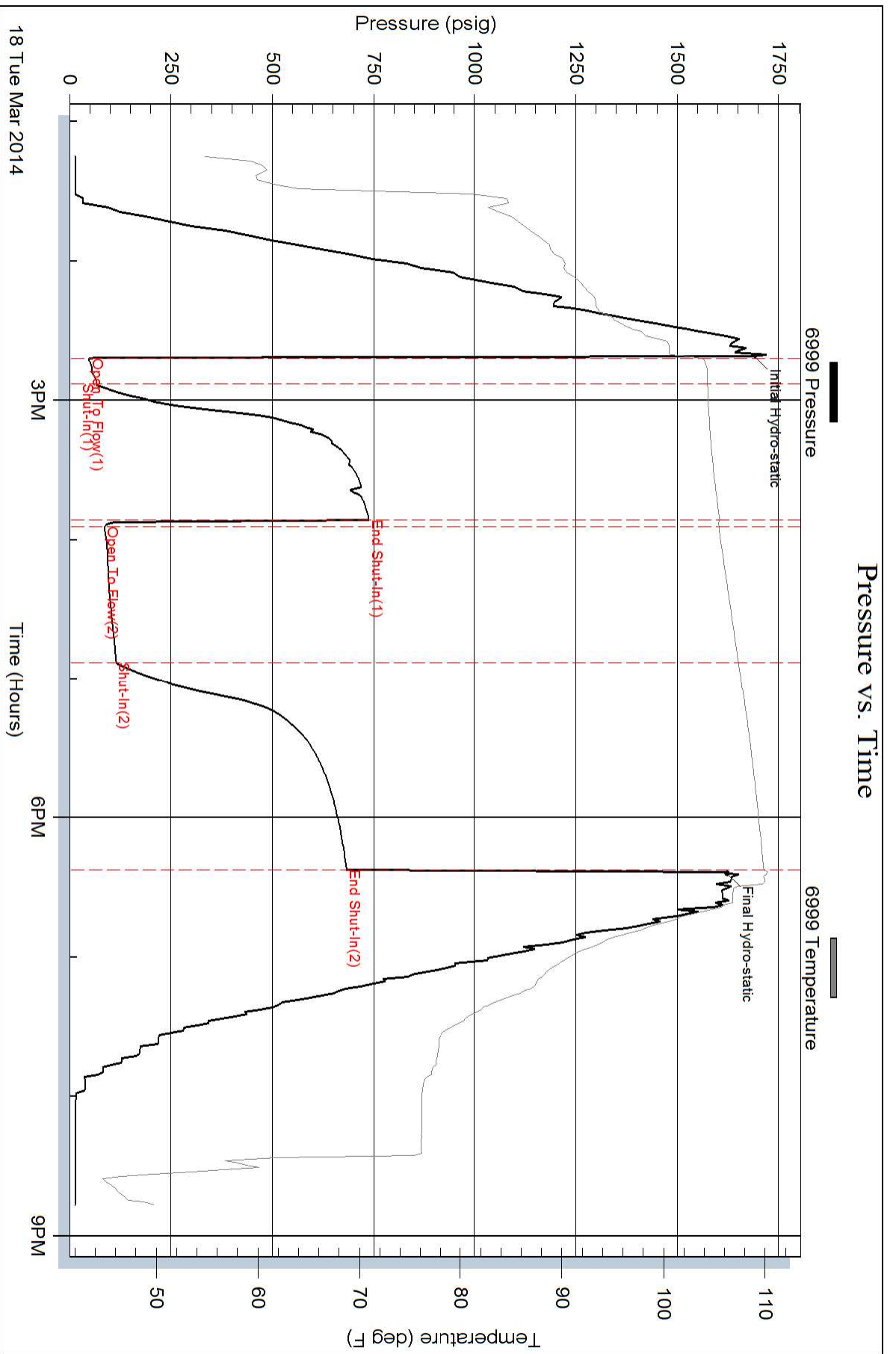
Num Gas Bombs: 0

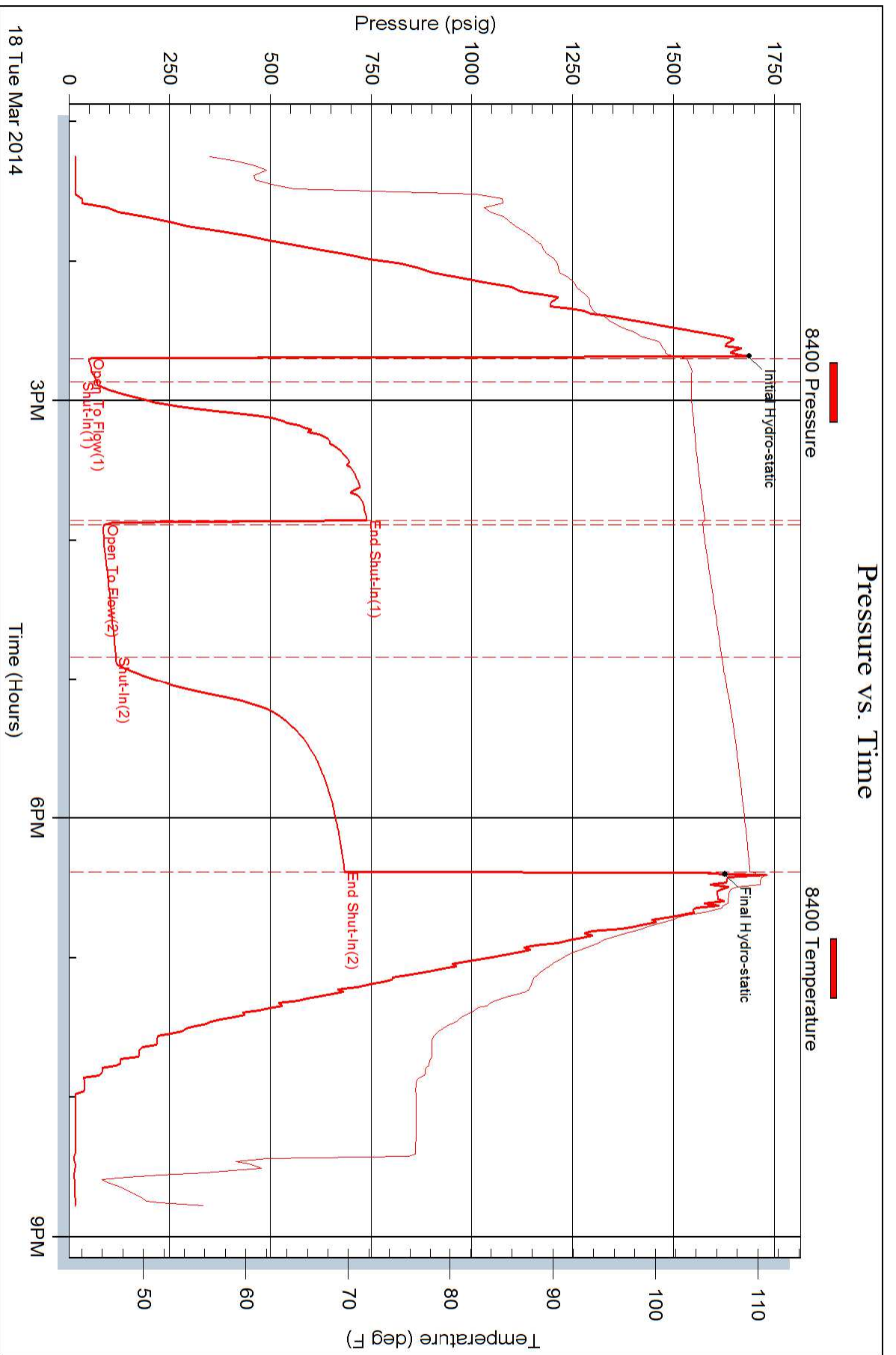
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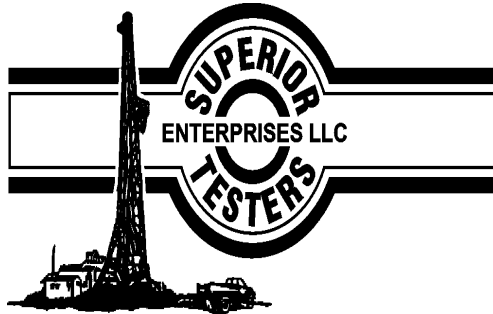
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

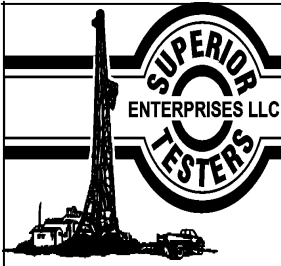
Start Date: 2014.03.19 @ 08:20:00

End Date: 2014.03.19 @ 14:50:30

Job Ticket #: 19148 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.19 @ 16:06:30



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19148

DST#: 3

Test Start: 2014.03.19 @ 08:20:00

GENERAL INFORMATION:

Formation: **Lansing Hzone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:00

Time Test Ended: 14:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: **3424.00 ft (KB) To 3446.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3446.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 50.51 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.19

Last Calib.: 2014.03.19

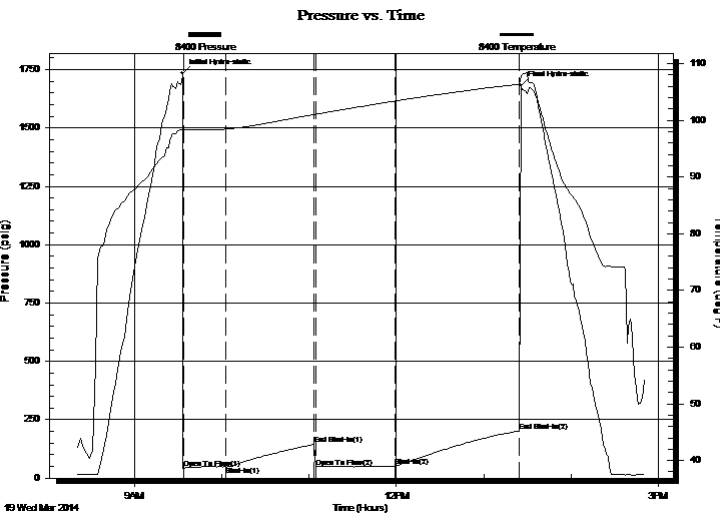
Start Time: 08:20:00

End Time: 14:50:30

Time On Btm: 2014.03.19 @ 09:33:00

Time Off Btm: 2014.03.19 @ 13:25:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 4 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

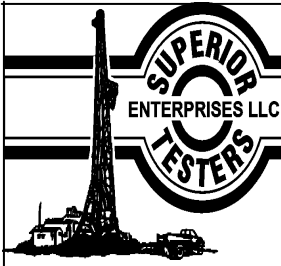
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.74	98.34	Initial Hydro-static
1	43.16	98.31	Open To Flow (1)
30	50.13	98.44	Shut-In(1)
91	144.62	101.04	End Shut-In(1)
92	45.63	101.04	Open To Flow (2)
146	50.51	103.39	Shut-In(2)
232	202.29	106.39	End Shut-In(2)
233	1681.91	107.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud spot oil 1%oil 99%mud	0.42
180.00	gas in pipe	2.52

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19148

DST#: 3

Test Start: 2014.03.19 @ 08:20:00

GENERAL INFORMATION:

Formation: **Lansing Hzone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:00

Time Test Ended: 14:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: 3424.00 ft (KB) To 3446.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3446.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 199.07 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.19

Last Calib.: 2014.03.19

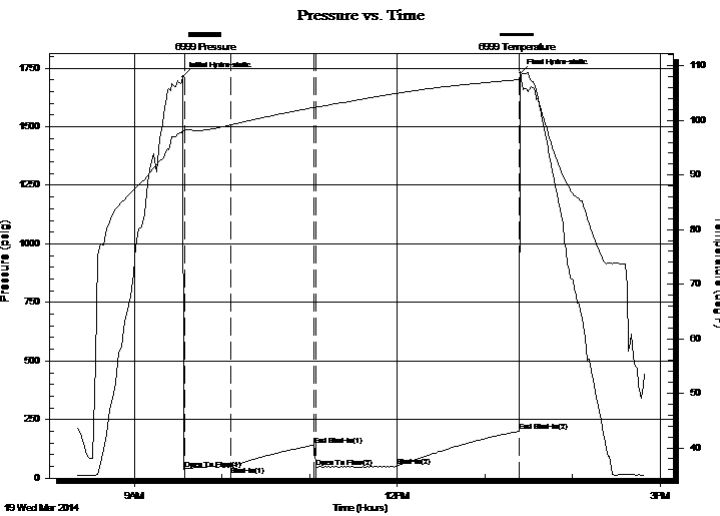
Start Time: 08:20:00

End Time: 14:50:00

Time On Btm: 2014.03.19 @ 09:33:00

Time Off Btm: 2014.03.19 @ 13:24:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 4 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

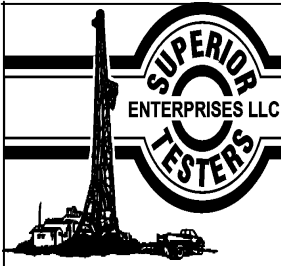
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.94	98.11	Initial Hydro-static
1	39.64	98.28	Open To Flow (1)
33	49.45	99.18	Shut-In(1)
90	141.93	102.38	End Shut-In(1)
92	44.16	102.43	Open To Flow (2)
147	50.58	104.95	Shut-In(2)
231	199.07	107.47	End Shut-In(2)
232	1728.71	108.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud spot oil 1%oil 99%mud	0.42
180.00	gas in pipe	2.52

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19148

DST#: 3

ATTN: Rene Husted

Test Start: 2014.03.19 @ 08:20:00

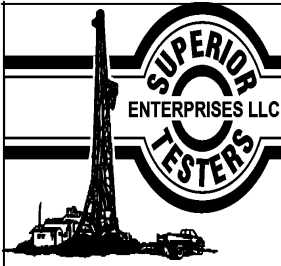
Tool Information

Drill Pipe:	Length: 3406.00 ft	Diameter: 3.80 inches	Volume: 47.78 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 47.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3424.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	6.00			3412.00	
Safety Joint	2.00			3414.00	
Packer	5.00			3419.00	28.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Recorder	1.00			3425.00	
Recorder	1.00			3426.00	
Anchor	17.00			3443.00	
Bullnose	3.00			3446.00	22.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19148

DST#: 3

ATTN: Rene Husted

Test Start: 2014.03.19 @ 08:20:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 6300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud spot oil 1%oil 99%mud	0.421
180.00	gas in pipe	2.525

Total Length: 210.00 ft Total Volume: 2.946 bbl

Num Fluid Samples: 0

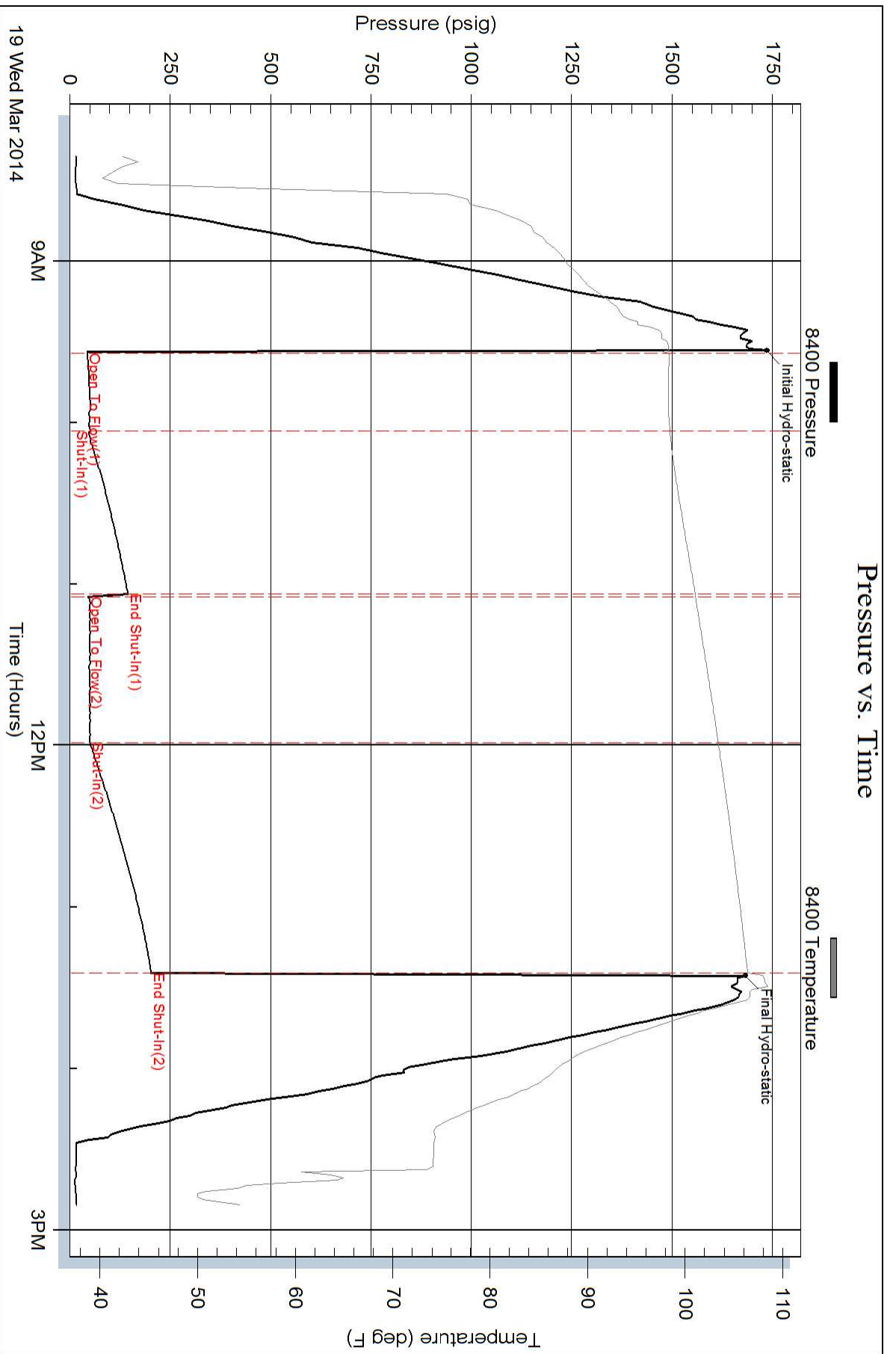
Num Gas Bombs: 0

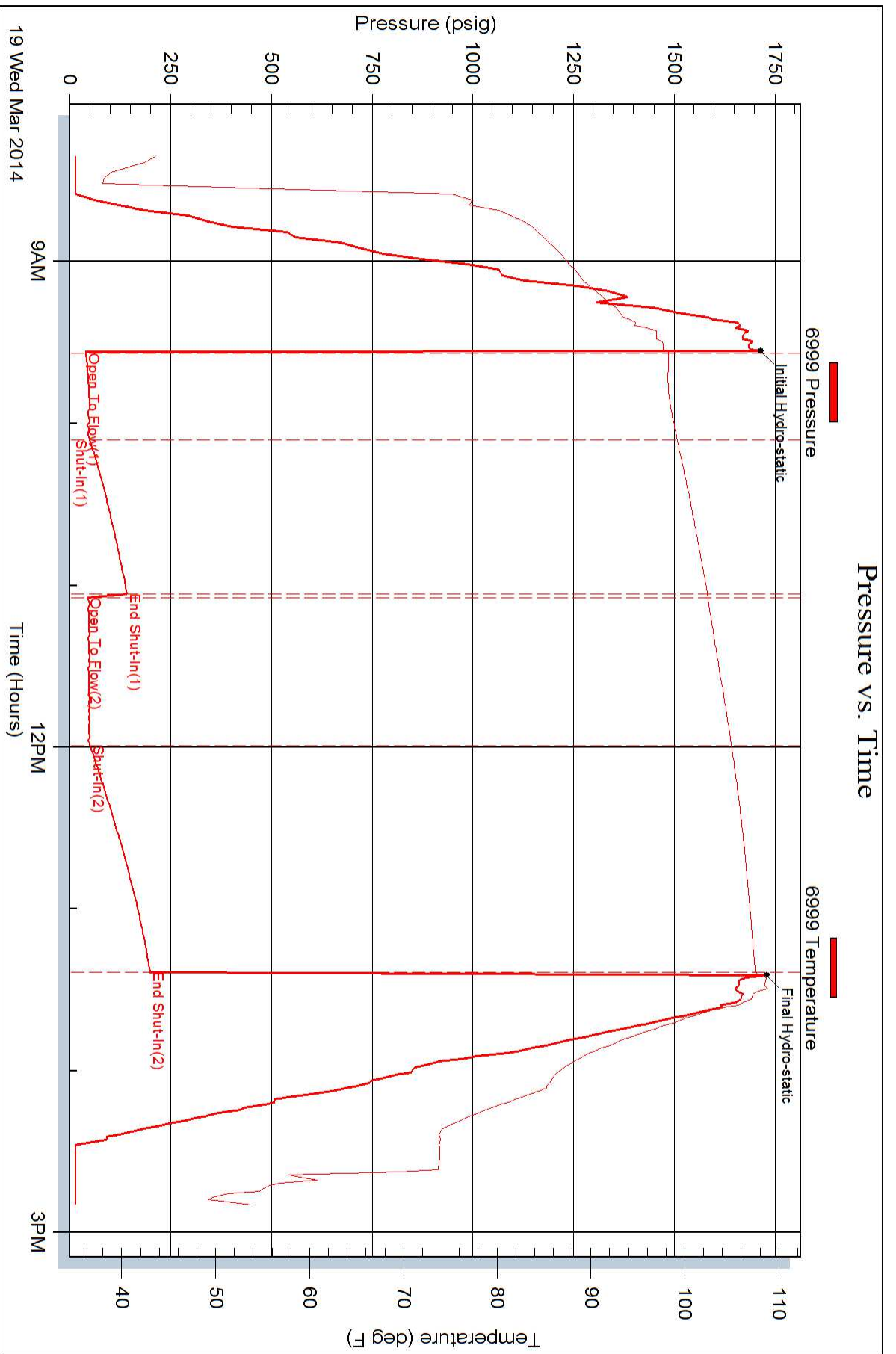
Serial #:

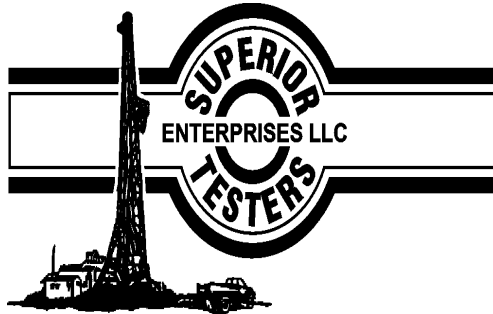
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

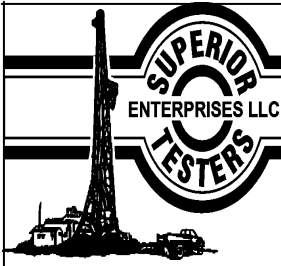
Start Date: 2014.03.19 @ 21:30:00

End Date: 2014.03.20 @ 04:17:00

Job Ticket #: 10149 DST #: 4

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.20 @ 05:46:31



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 10149

DST#: 4

Test Start: 2014.03.19 @ 21:30:00

GENERAL INFORMATION:

Formation: **Lansing I zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:54:30

Time Test Ended: 04:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: **3446.00 ft (KB) To 3467.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3467.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 326.08 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.20

Last Calib.: 2014.03.20

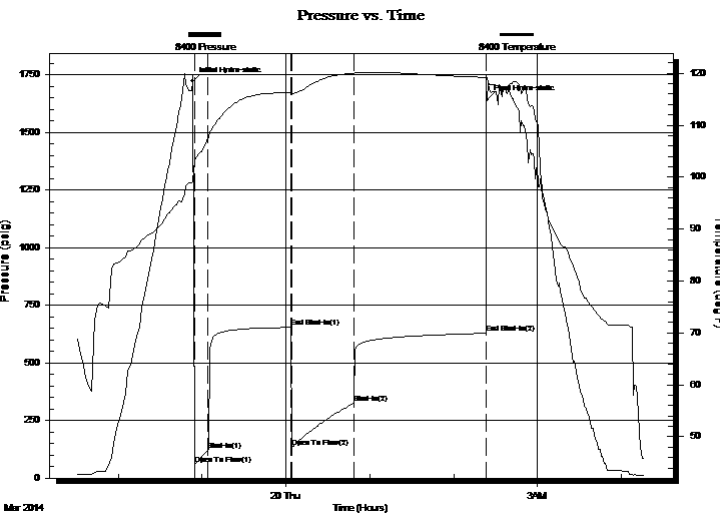
Start Time: 21:30:00

End Time: 04:17:00

Time On Btm: 2014.03.19 @ 22:53:00

Time Off Btm: 2014.03.20 @ 02:24:00

TEST COMMENT: 1st Opening 10 Minutes-Fair blow built bottom of bucket in 6 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Fair blow built bottom of bucket in 7 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

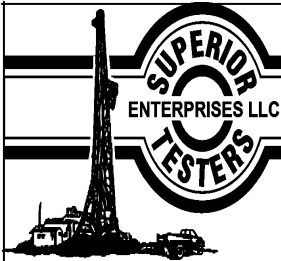
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.20	99.07	Initial Hydro-static
2	59.59	103.19	Open To Flow (1)
11	120.85	107.31	Shut-In(1)
71	654.21	116.19	End Shut-In(1)
72	134.42	115.98	Open To Flow (2)
116	326.08	119.97	Shut-In(2)
210	628.62	119.22	End Shut-In(2)
211	1642.52	119.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	water	8.42
0.00	chlorides 48,000 resistivity .15@55deg	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 10149

DST#: 4

Test Start: 2014.03.19 @ 21:30:00

GENERAL INFORMATION:

Formation: **Lansing I zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:54:30

Time Test Ended: 04:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: 3446.00 ft (KB) To 3467.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3467.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 629.05 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.20

Last Calib.: 2014.03.20

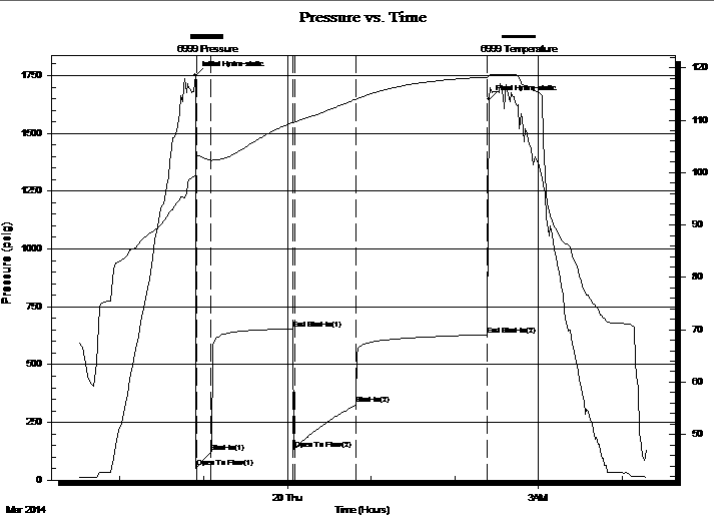
Start Time: 21:30:00

End Time: 04:17:30

Time On Btm: 2014.03.19 @ 22:54:00

Time Off Btm: 2014.03.20 @ 02:24:30

TEST COMMENT: 1st Opening 10 Minutes-Fair blow built bottom of bucket in 6 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Fair blow built bottom of bucket in 7 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

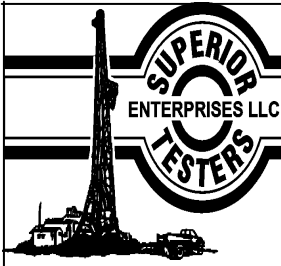
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.72	99.62	Initial Hydro-static
1	56.19	102.91	Open To Flow (1)
11	121.09	102.37	Shut-In(1)
70	654.06	109.67	End Shut-In(1)
71	132.15	109.67	Open To Flow (2)
115	329.31	114.00	Shut-In(2)
210	629.05	118.24	End Shut-In(2)
211	1647.04	118.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	water	8.42
0.00	chlorides 48,000 resistivity .15@55deg	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 10149

DST#: 4

ATTN: Rene Husted

Test Start: 2014.03.19 @ 21:30:00

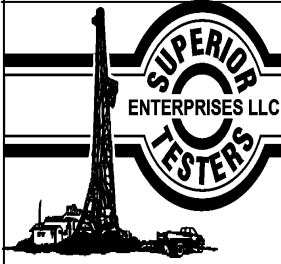
Tool Information

Drill Pipe:	Length: 3442.00 ft	Diameter: 3.80 inches	Volume: 48.28 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3446.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Jars	6.00			3434.00	
Safety Joint	2.00			3436.00	
Packer	5.00			3441.00	28.00 Bottom Of Top Packer
Packer	5.00			3446.00	
Recorder	1.00			3447.00	
Recorder	1.00			3448.00	
Anchor	16.00			3464.00	
Bullnose	3.00			3467.00	21.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 10149

DST#: 4

ATTN: Rene Husted

Test Start: 2014.03.19 @ 21:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	water	8.416
0.00	chlorides 48,000 resistivity .15@55degre	0.000

Total Length: 600.00 ft Total Volume: 8.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

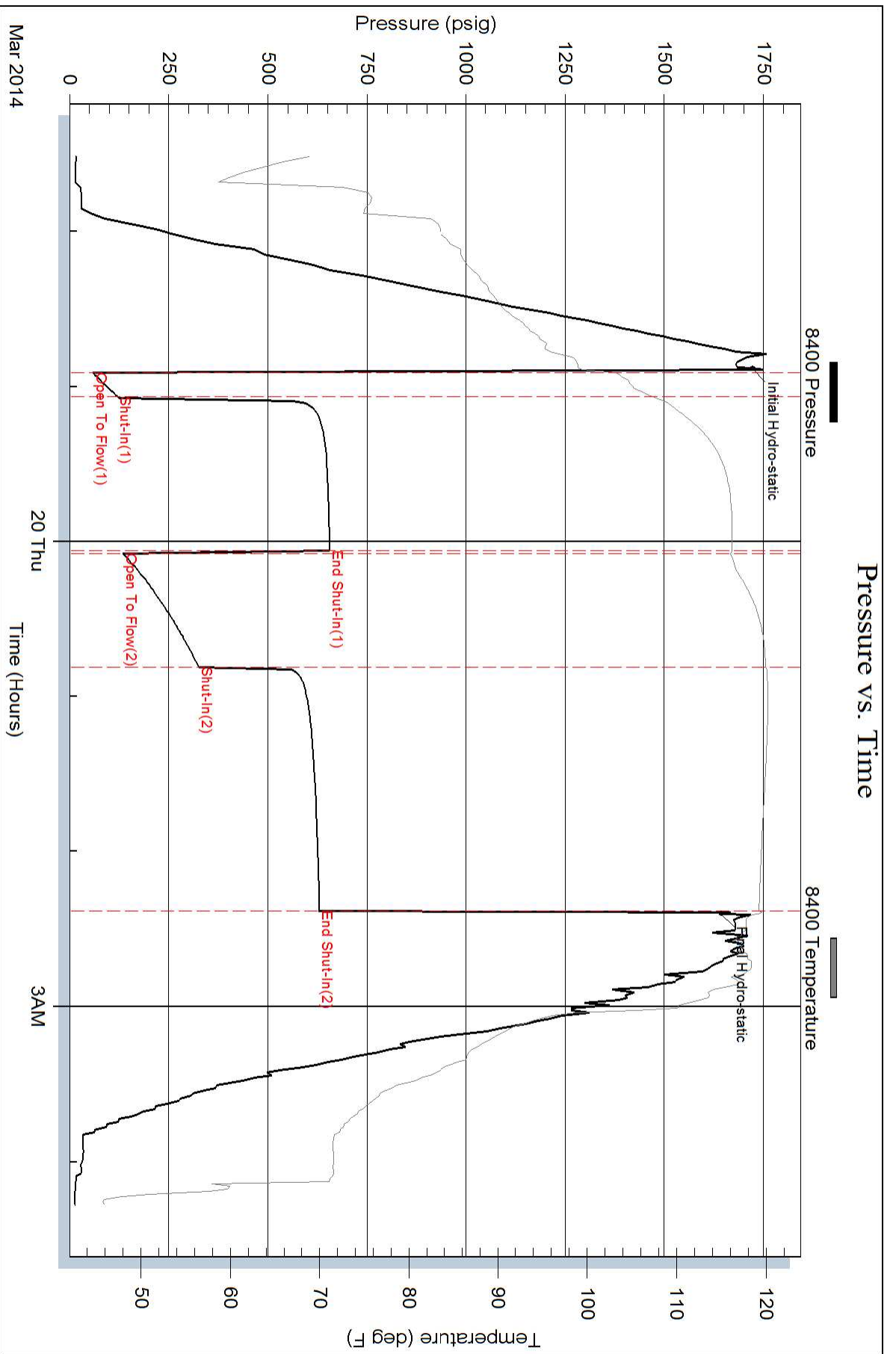
Serial #:

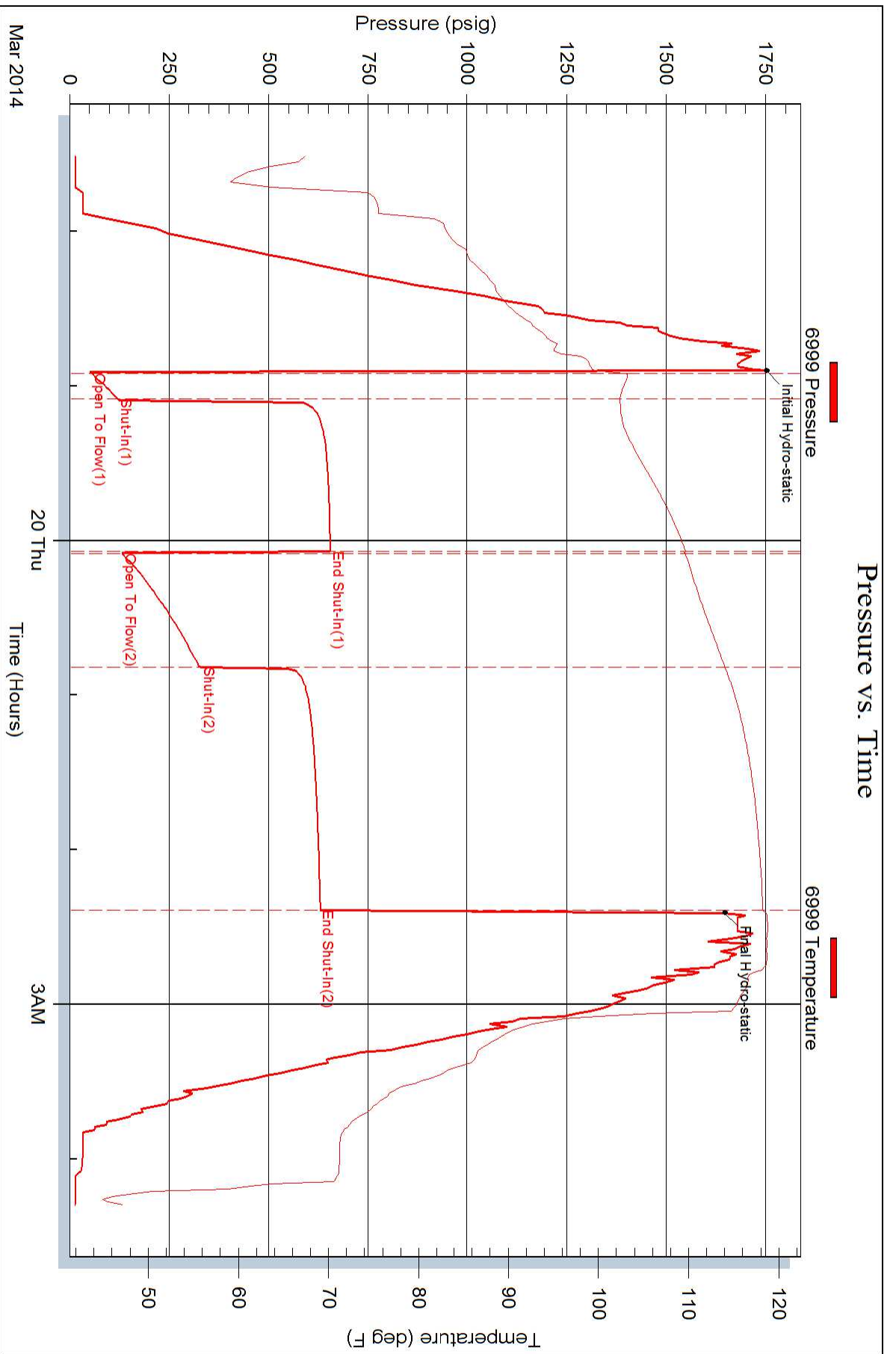
Laboratory Name:

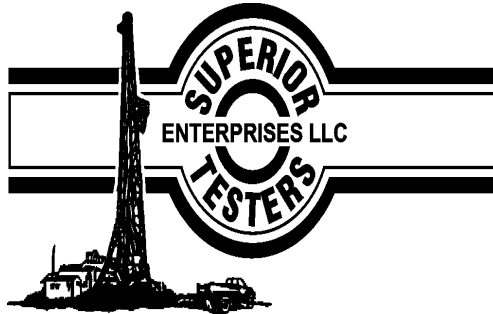
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

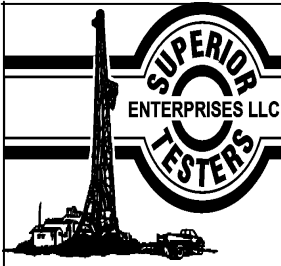
Start Date: 2014.03.20 @ 11:30:00

End Date: 2014.03.20 @ 17:51:00

Job Ticket #: 19150 DST #: 5

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.20 @ 19:17:13



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19150

DST#: 5

Test Start: 2014.03.20 @ 11:30:00

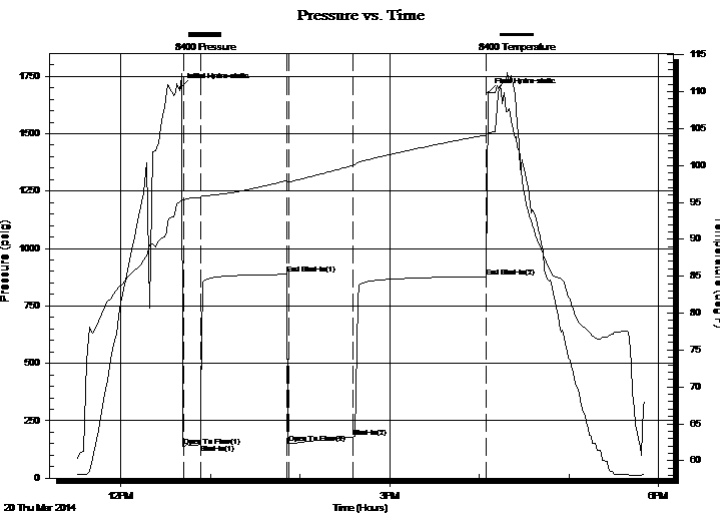
GENERAL INFORMATION:

Formation: **KC J zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:42:00
 Time Test Ended: 17:51:00
 Interval: **3470.00 ft (KB) To 3484.00 ft (KB) (TVD)**
 Total Depth: 3484.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 179.59 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.20 End Date: 2014.03.20 Last Calib.: 2014.03.20
 Start Time: 11:30:00 End Time: 17:51:00 Time On Btm: 2014.03.20 @ 12:40:00
 Time Off Btm: 2014.03.20 @ 16:06:00

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 3 inches into water in 10 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 9 inches into water in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

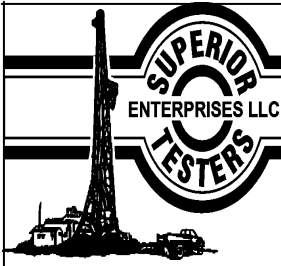
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.79	95.18	Initial Hydro-static
2	138.04	95.36	Open To Flow (1)
13	146.65	95.60	Shut-In(1)
71	887.19	97.96	End Shut-In(1)
73	151.13	97.77	Open To Flow (2)
116	179.59	100.02	Shut-In(2)
205	877.98	104.13	End Shut-In(2)
206	1676.42	104.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	water	5.89
0.00	chlorides 30,000 resistivity .15@65degre	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19150

DST#: 5

Test Start: 2014.03.20 @ 11:30:00

GENERAL INFORMATION:

Formation: **KC J zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:42:00

Time Test Ended: 17:51:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: **3470.00 ft (KB) To 3484.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3484.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 878.42 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.20

End Date: 2014.03.20

Last Calib.: 2014.03.20

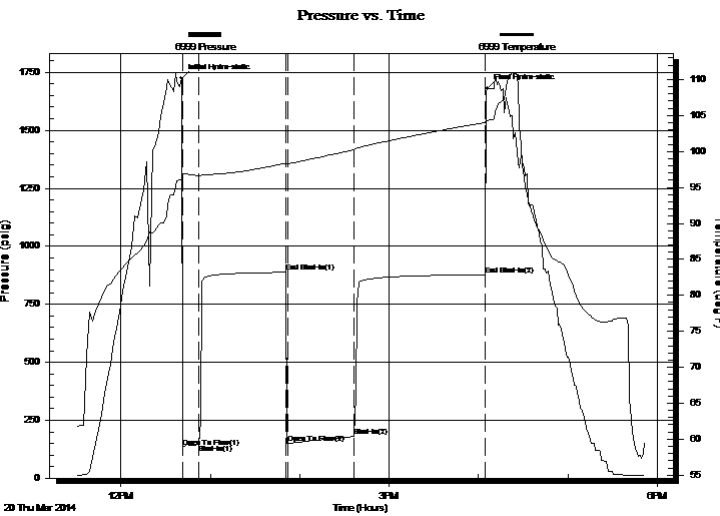
Start Time: 11:30:00

End Time: 17:51:30

Time On Btm: 2014.03.20 @ 12:40:30

Time Off Btm: 2014.03.20 @ 16:06:00

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 3 inches into water in 10 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 9 inches into water in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

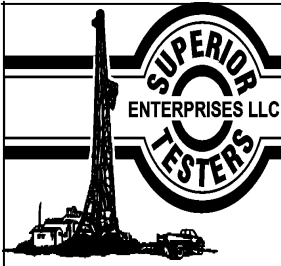
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.58	96.05	Initial Hydro-static
1	134.18	96.80	Open To Flow (1)
12	145.93	96.64	Shut-In(1)
71	887.69	98.38	End Shut-In(1)
72	149.04	98.30	Open To Flow (2)
116	179.68	100.25	Shut-In(2)
204	878.42	104.03	End Shut-In(2)
206	1679.90	104.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	water	5.89
0.00	chlorides 30,000 resistivity .15@65degre	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19150

DST#: 5

ATTN: Rene Husted

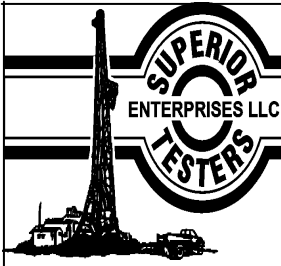
Test Start: 2014.03.20 @ 11:30:00

Tool Information

Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3470.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3447.00	
Hydraulic tool	5.00			3452.00	
Jars	6.00			3458.00	
Safety Joint	2.00			3460.00	
Packer	5.00			3465.00	28.00 Bottom Of Top Packer
Packer	5.00			3470.00	
Recorder	1.00			3471.00	
Recorder	1.00			3472.00	
Anchor	9.00			3481.00	
Bullnose	3.00			3484.00	14.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19150

DST#: 5

ATTN: Rene Husted

Test Start: 2014.03.20 @ 11:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
420.00	water	5.891
0.00	chlorides 30,000 resistivity .15@65degree	0.000

Total Length: 420.00 ft Total Volume: 5.891 bbf

Num Fluid Samples: 0

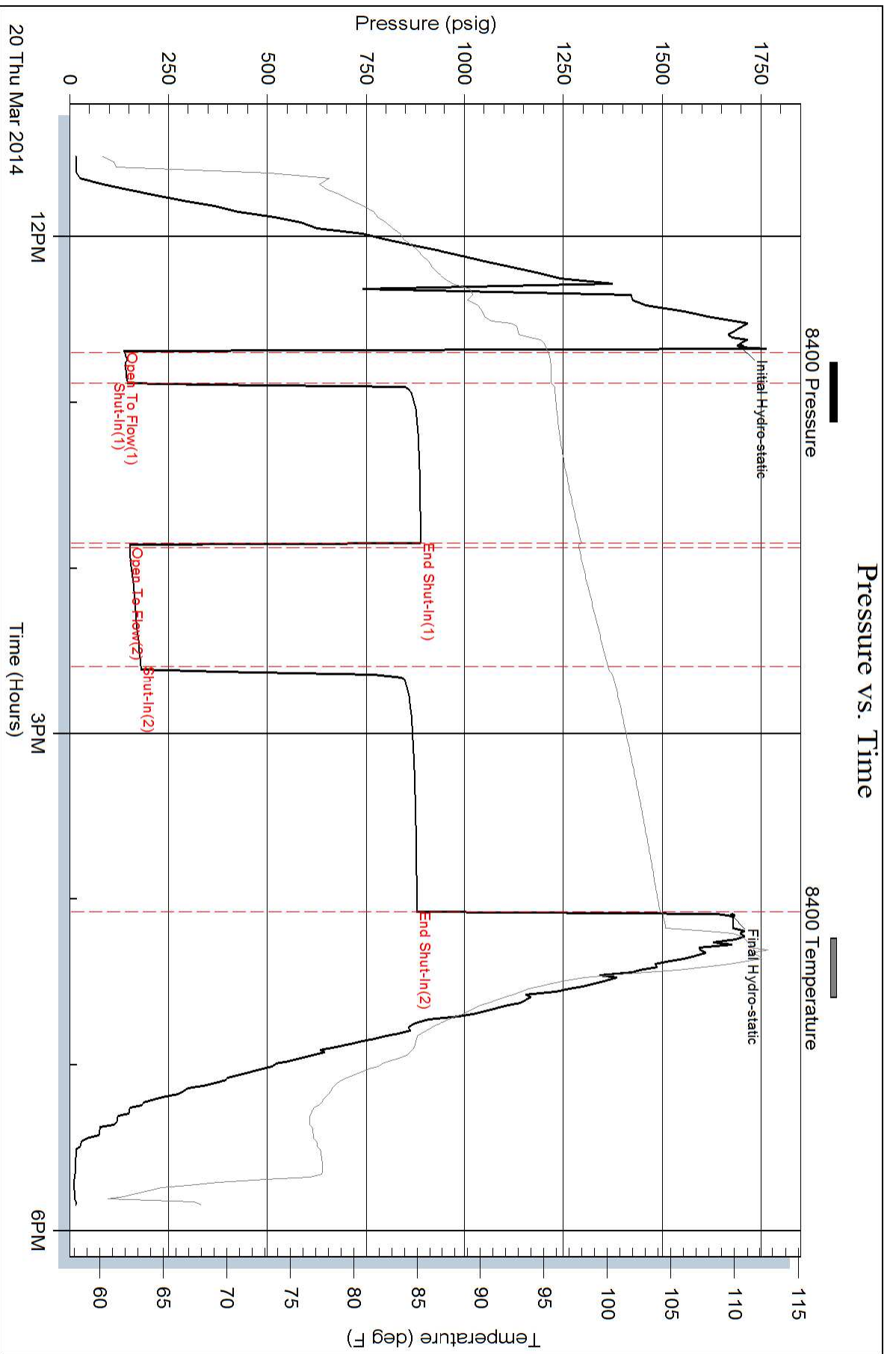
Num Gas Bombs: 0

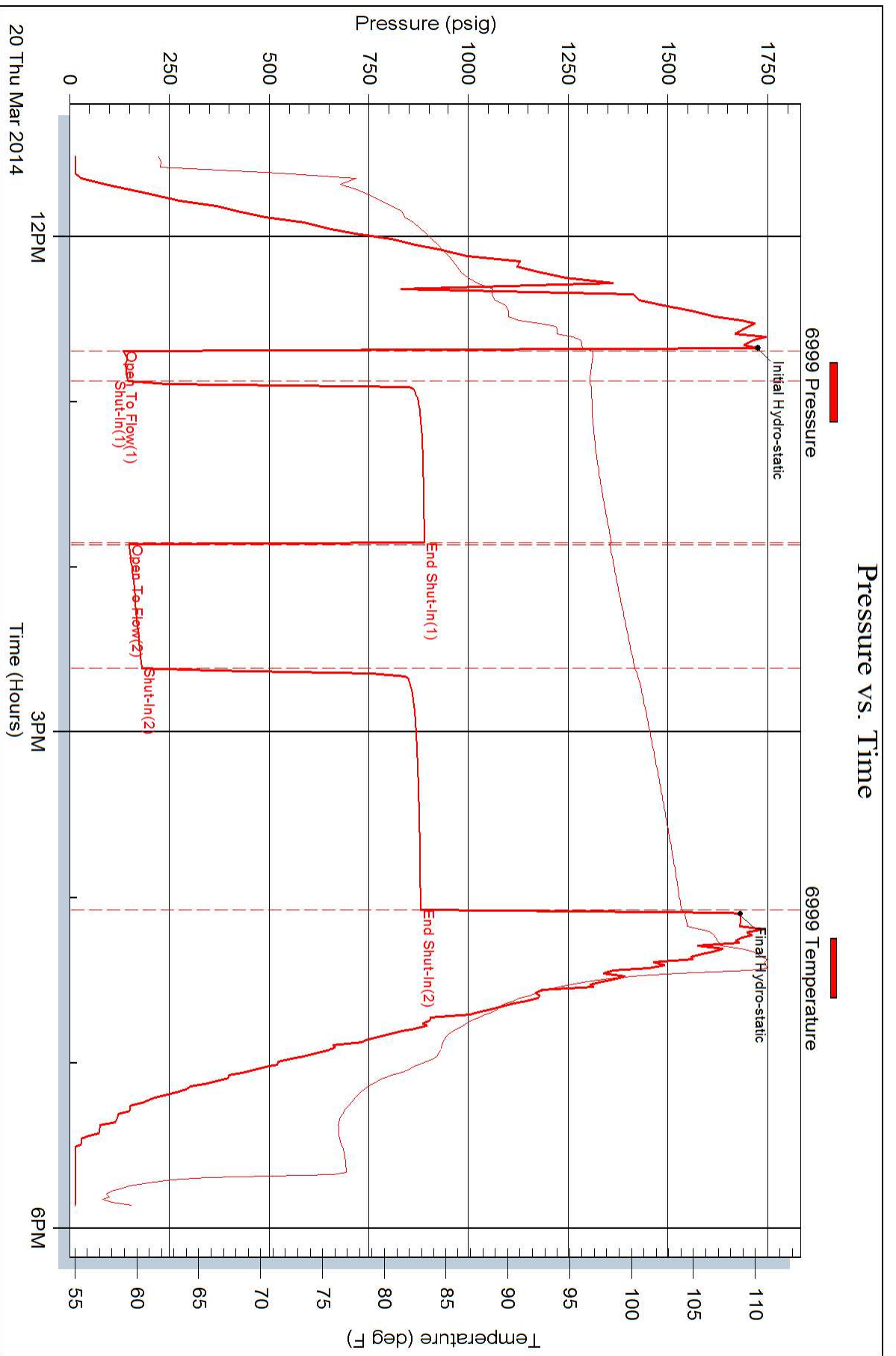
Serial #:

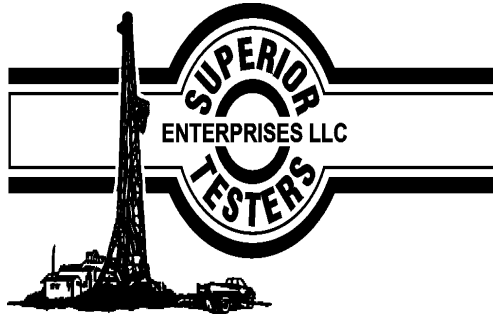
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Wichita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

Start Date: 2014.03.21 @ 03:30:00

End Date: 2014.03.21 @ 08:25:30

Job Ticket #: 19276 DST #: 6

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.21 @ 09:42:24



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19276

DST#: 6

Test Start: 2014.03.21 @ 03:30:00

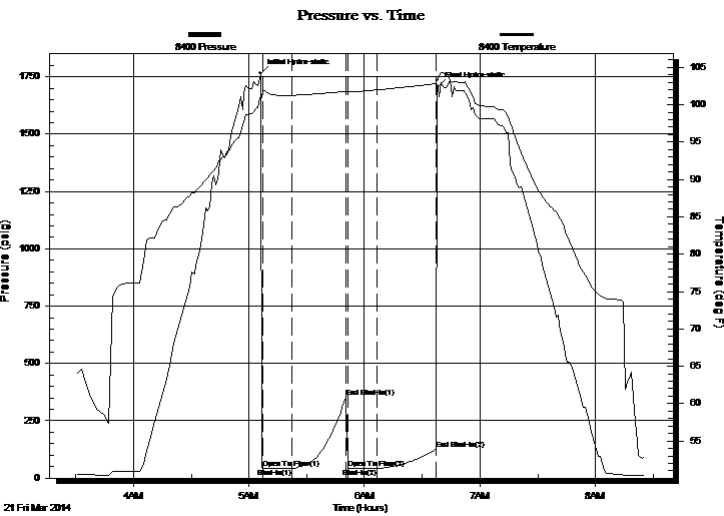
GENERAL INFORMATION:

Formation: **K zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:07:00
 Time Test Ended: 08:25:30
 Interval: **3494.00 ft (KB) To 3516.00 ft (KB) (TVD)**
 Total Depth: 3494.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Greatr Bend-25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 42.01 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.21 Last Calib.: 2014.03.21
 Start Time: 03:30:00 End Time: 08:25:30 Time On Btm: 2014.03.21 @ 05:06:00
 Time Off Btm: 2014.03.21 @ 06:38:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch died off
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow died off
 2nd Shur-in 30 Minutes-No blow back



PRESSURE SUMMARY

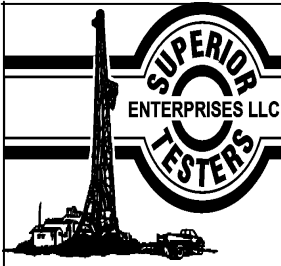
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.59	100.80	Initial Hydro-static
1	44.33	101.89	Open To Flow (1)
17	41.37	101.27	Shut-In(1)
45	351.82	101.82	End Shut-In(1)
46	44.09	101.71	Open To Flow (2)
61	42.01	101.99	Shut-In(2)
91	126.75	102.82	End Shut-In(2)
92	1709.32	103.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19276

DST#: 6

Test Start: 2014.03.21 @ 03:30:00

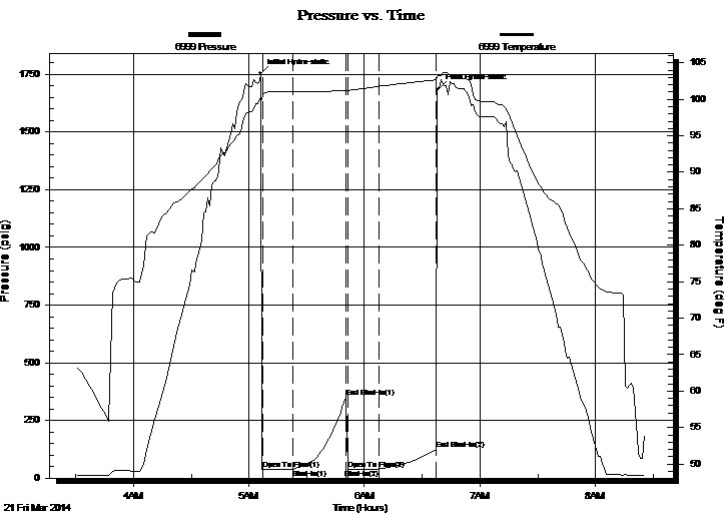
GENERAL INFORMATION:

Formation: **K zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:07:00
 Time Test Ended: 08:25:30
 Interval: **3494.00 ft (KB) To 3516.00 ft (KB) (TVD)**
 Total Depth: 3494.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Greatr Bend-25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 125.79 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.21 Last Calib.: 2014.03.21
 Start Time: 03:30:00 End Time: 08:26:00 Time On Btm: 2014.03.21 @ 05:06:00
 Time Off Btm: 2014.03.21 @ 06:38:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch died off
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow died off
 2nd Shur-in 30 Minutes-No blow back



PRESSURE SUMMARY

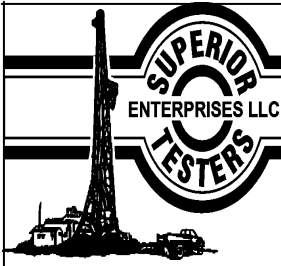
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.35	100.38	Initial Hydro-static
1	38.53	100.65	Open To Flow (1)
17	39.17	101.09	Shut-In(1)
45	350.68	101.25	End Shut-In(1)
46	39.82	101.23	Open To Flow (2)
62	39.43	101.78	Shut-In(2)
91	125.79	102.67	End Shut-In(2)
93	1686.56	103.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19276

DST#: 6

ATTN: Rene Husted

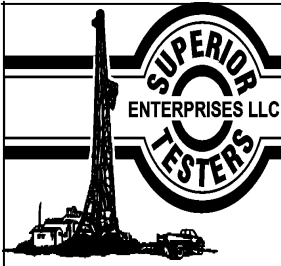
Test Start: 2014.03.21 @ 03:30:00

Tool Information

Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3494.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3471.00	
Hydraulic tool	5.00			3476.00	
Jars	6.00			3482.00	
Safety Joint	2.00			3484.00	
Packer	5.00			3489.00	28.00 Bottom Of Top Packer
Packer	5.00			3494.00	
Recorder	1.00			3495.00	
Recorder	1.00			3496.00	
Anchor	17.00			3513.00	
Bullnose	3.00			3516.00	22.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19276

DST#: 6

ATTN: Rene Husted

Test Start: 2014.03.21 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 74.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

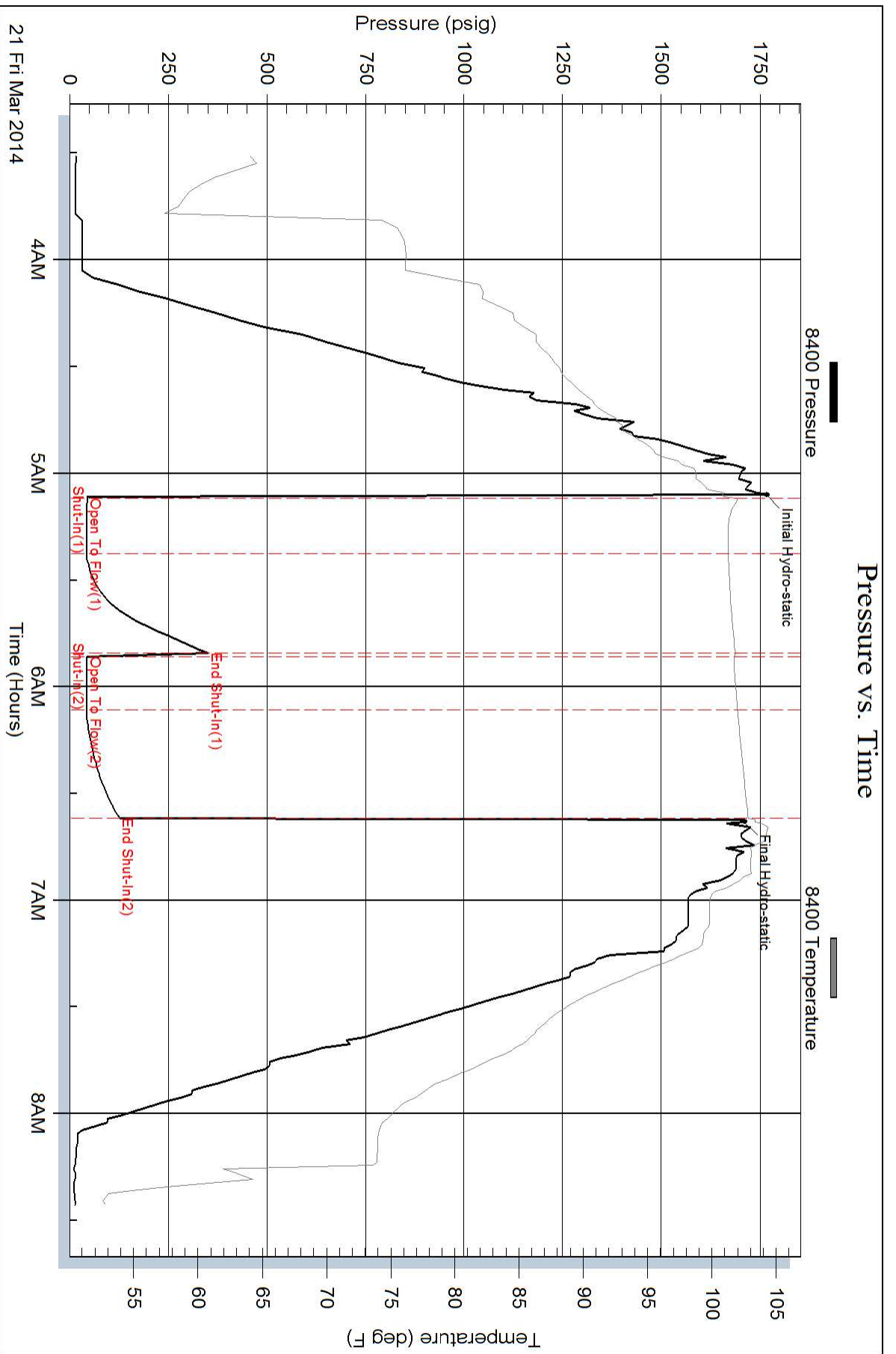
Num Gas Bombs: 0

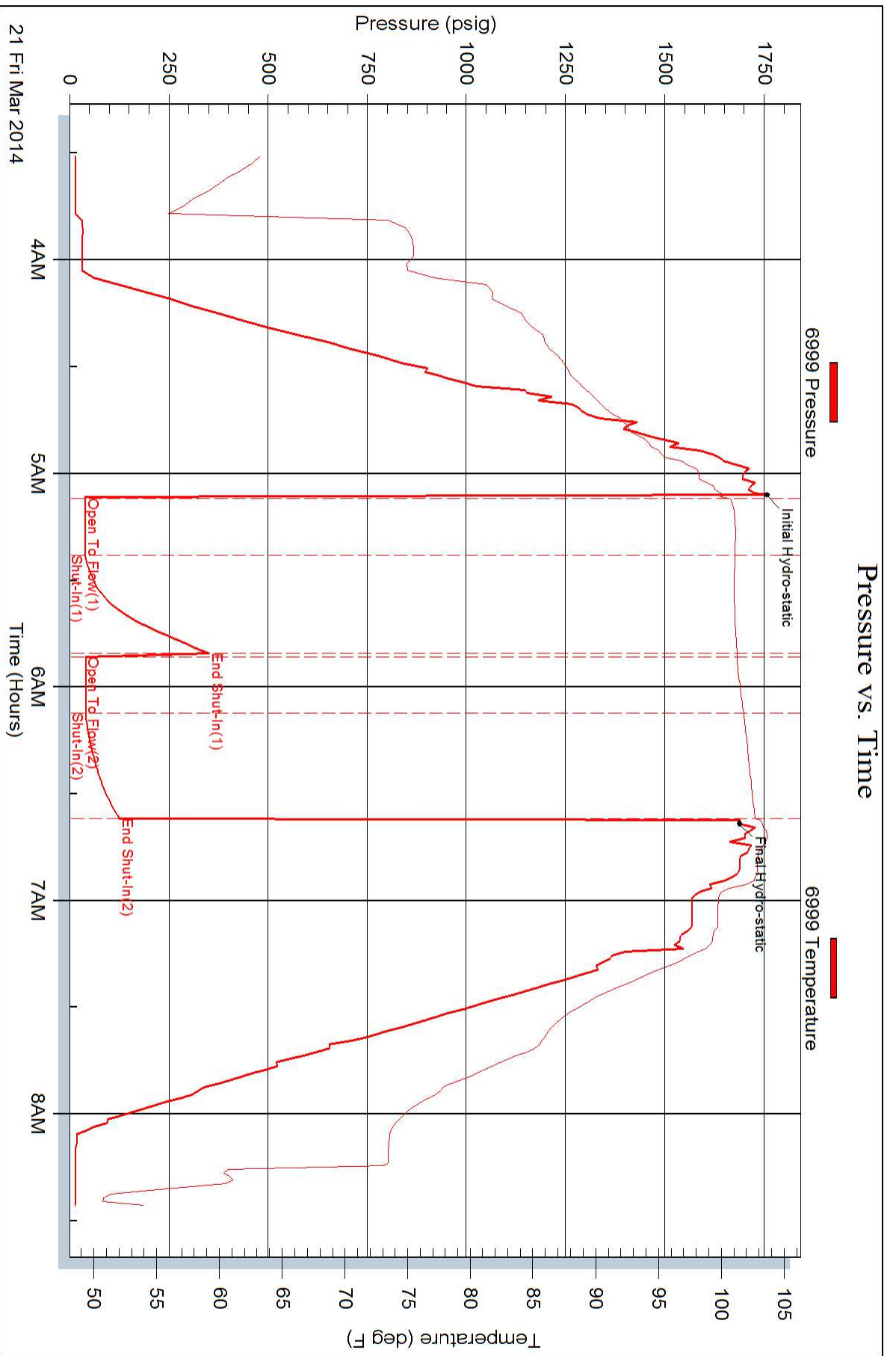
Serial #:

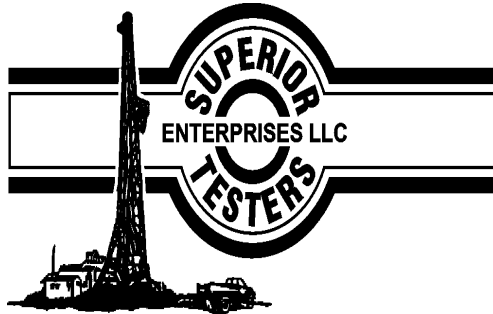
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Wichita KS
67206+2563

ATTN: Rene Hustead

Romine Trust #3-1

1-20s-15w Barton

Start Date: 2014.03.21 @ 21:00:00

End Date: 2014.03.22 @ 02:22:00

Job Ticket #: 19277 DST #: 7

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.22 @ 03:42:00



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19277

DST#: 7

Test Start: 2014.03.21 @ 21:00:00

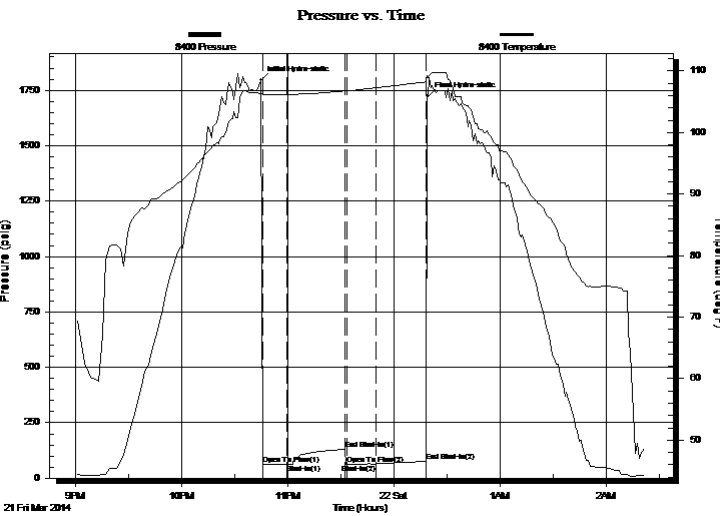
GENERAL INFORMATION:

Formation: **Congl**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:45:30
 Time Test Ended: 02:22:00
 Interval: **3542.00 ft (KB) To 3596.00 ft (KB) (TVD)**
 Total Depth: 3596.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320 Great Bend -25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 62.39 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.22 Last Calib.: 2014.03.22
 Start Time: 21:00:00 End Time: 02:22:00 Time On Btm: 2014.03.21 @ 22:44:30
 Time Off Btm: 2014.03.22 @ 00:19:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch into bucket in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surface blow did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1794.75	106.38	Initial Hydro-static
1	63.12	106.09	Open To Flow (1)
15	63.37	106.15	Shut-In(1)
48	131.29	106.76	End Shut-In(1)
49	64.08	106.76	Open To Flow (2)
65	62.39	107.26	Shut-In(2)
94	75.61	108.23	End Shut-In(2)
95	1722.04	108.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19277

DST#: 7

Test Start: 2014.03.21 @ 21:00:00

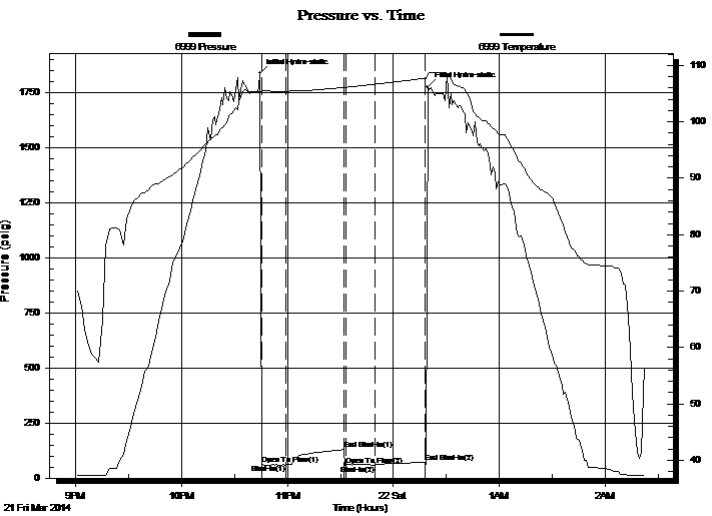
GENERAL INFORMATION:

Formation: **Congl**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:45:30
 Time Test Ended: 02:22:00
 Interval: **3542.00 ft (KB) To 3596.00 ft (KB) (TVD)**
 Total Depth: 3596.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320 Great Bend -25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 72.59 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.22 Last Calib.: 2014.03.22
 Start Time: 21:00:00 End Time: 02:22:30 Time On Btm: 2014.03.21 @ 22:44:30
 Time Off Btm: 2014.03.22 @ 00:19:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch into bucket in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surface blow did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

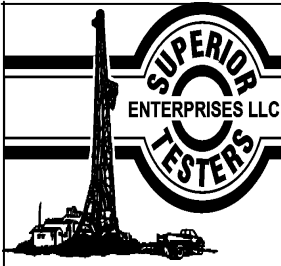
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.84	105.26	Initial Hydro-static
1	61.50	105.48	Open To Flow (1)
15	60.47	105.45	Shut-In(1)
48	129.08	106.10	End Shut-In(1)
49	60.09	106.13	Open To Flow (2)
65	59.72	106.68	Shut-In(2)
94	72.59	107.73	End Shut-In(2)
95	1777.22	108.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19277

DST#: 7

ATTN: Rene Husted

Test Start: 2014.03.21 @ 21:00:00

Tool Information

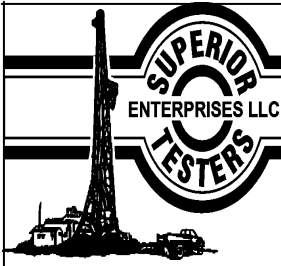
Drill Pipe:	Length: 3535.00 ft	Diameter: 3.80 inches	Volume: 49.59 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 49.59 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3542.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3519.00	
Hydraulic tool	5.00			3524.00	
Jars	6.00			3530.00	
Safety Joint	2.00			3532.00	
Packer	5.00			3537.00	28.00 Bottom Of Top Packer
Packer	5.00			3542.00	
Change Over Sub	0.50			3542.50	
Drill Pipe	32.00			3574.50	
Change Over Sub	0.50			3575.00	
Recorder	1.00			3576.00	
Recorder	1.00			3577.00	
Anchor	16.00			3593.00	
Bullnose	3.00			3596.00	54.00 Bottom Packers & Anchor

Total Tool Length: 82.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19277

DST#: 7

ATTN: Rene Husted

Test Start: 2014.03.21 @ 21:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

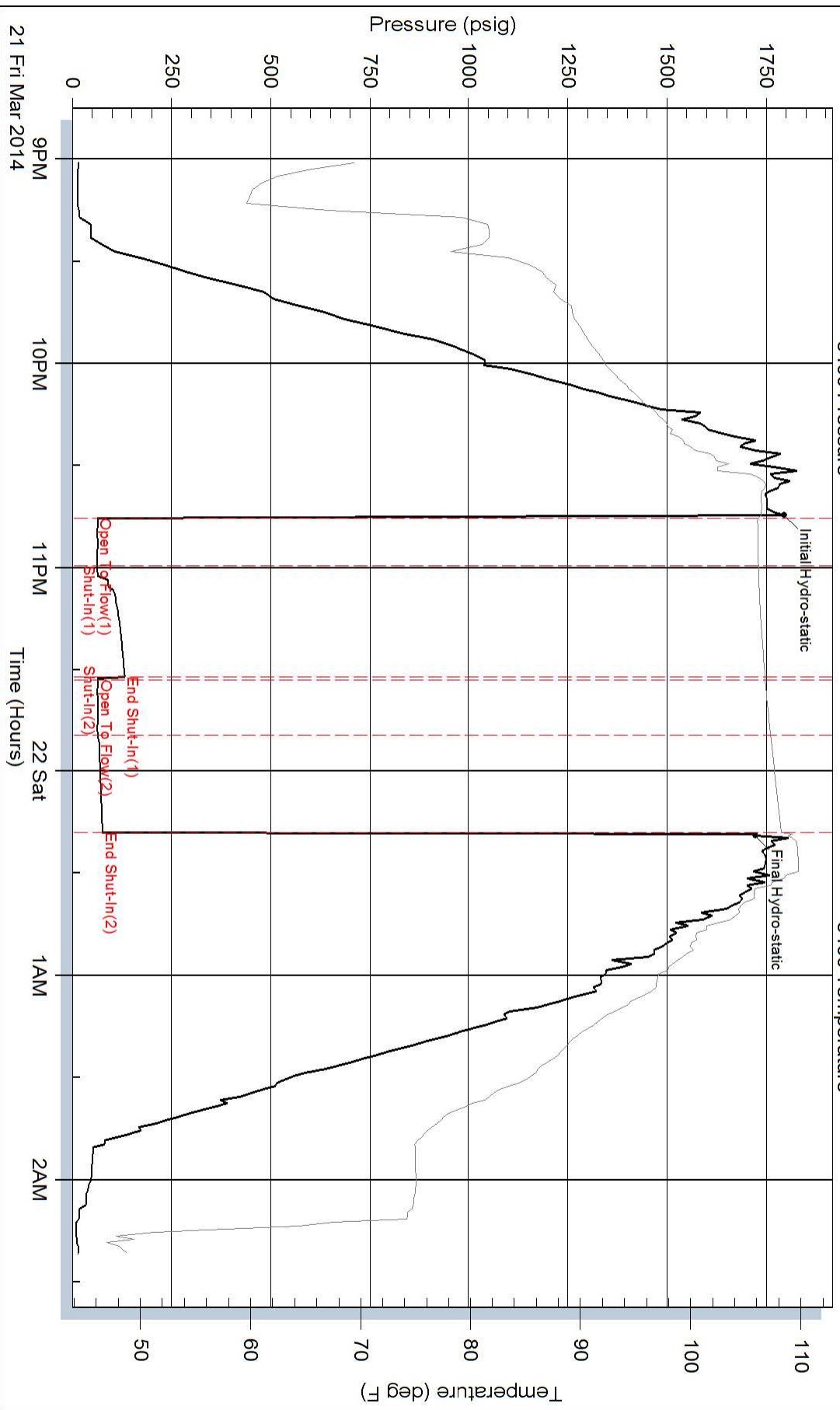
Serial #:

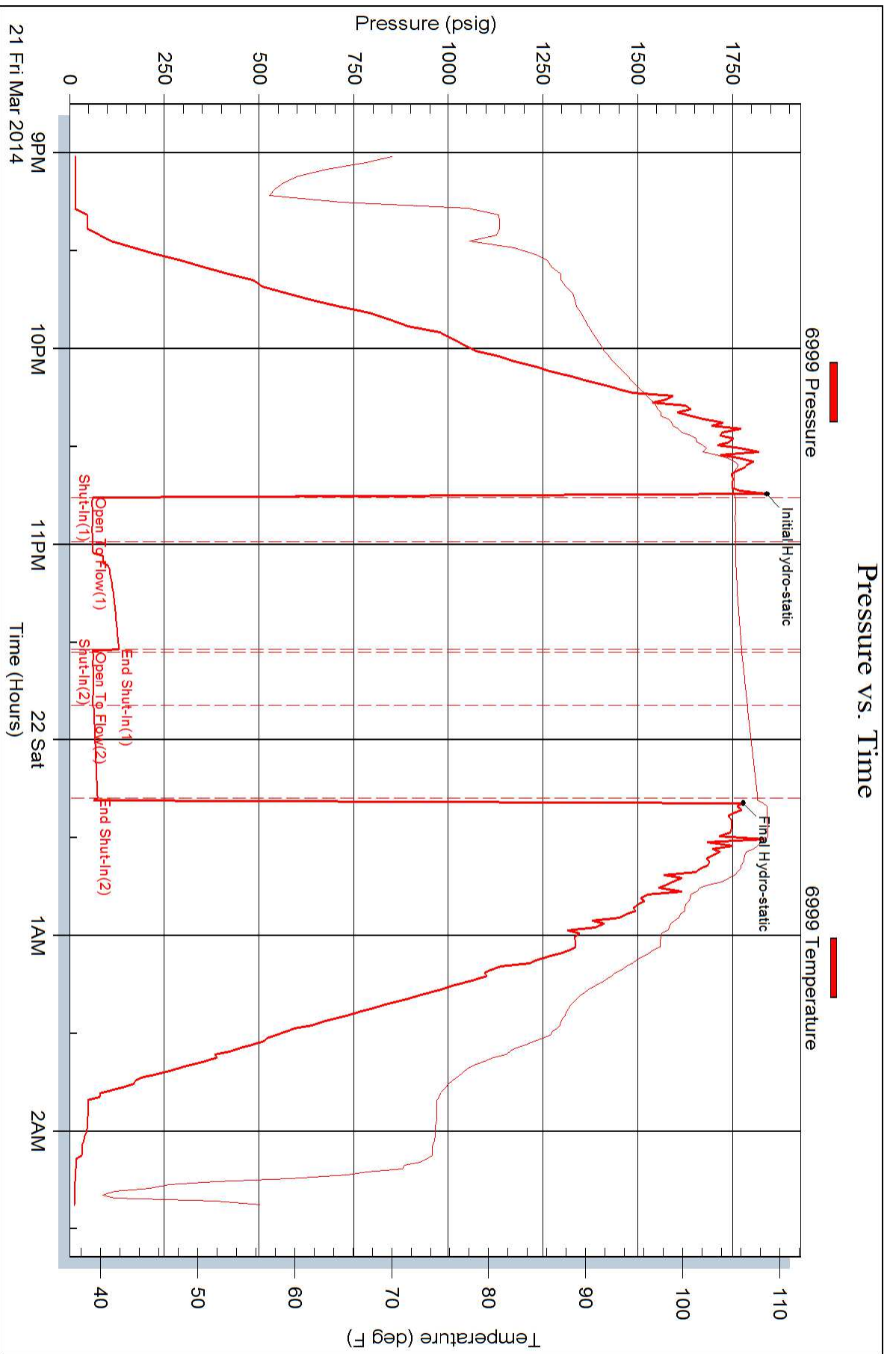
Laboratory Name:

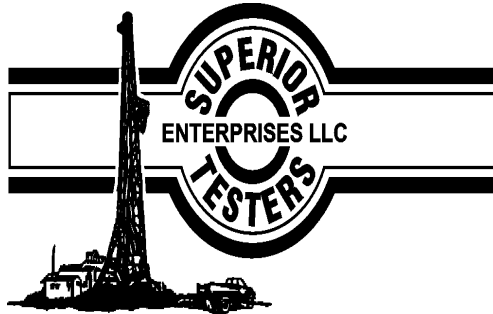
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

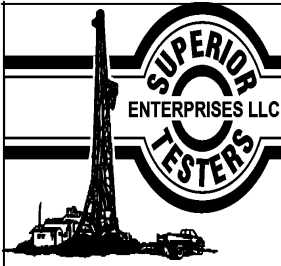
Start Date: 2014.03.22 @ 10:45:00

End Date: 2014.03.22 @ 17:29:30

Job Ticket #: 19278 DST #: 8

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.22 @ 18:45:24



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19278

DST#: 8

Test Start: 2014.03.22 @ 10:45:00

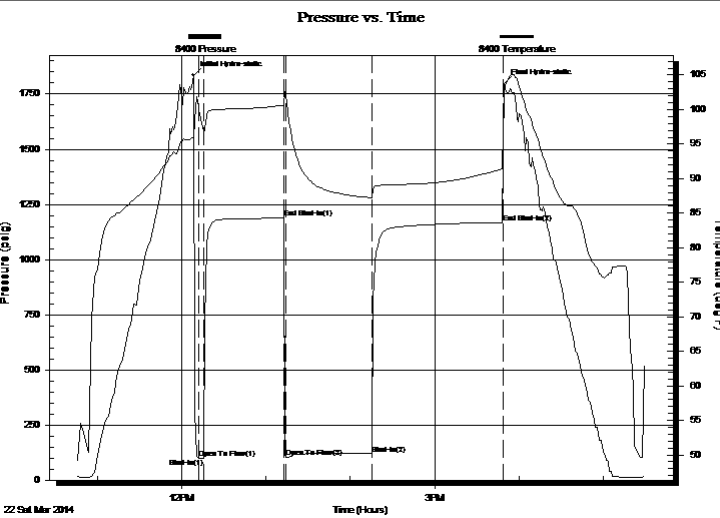
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:12:00 Tester: Jared Scheck
 Time Test Ended: 17:29:30 Unit No: 3320-Great Bend -25
 Interval: **3616.00 ft (KB) To 3626.00 ft (KB) (TVD)** Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3626.00 ft (KB) (TVD) 1954.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 119.45 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.22 End Date: 2014.03.22 Last Calib.: 2014.03.22
 Start Time: 10:45:00 End Time: 17:29:30 Time On Btm: 2014.03.22 @ 12:08:30
 Time Off Btm: 2014.03.22 @ 15:49:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute
 1st Shut-in 60 Minutes-Yes blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.60	95.87	Initial Hydro-static
4	99.37	100.51	Open To Flow (1)
8	97.87	96.57	Shut-In(1)
64	1187.06	100.61	End Shut-In(1)
66	103.14	102.01	Open To Flow (2)
127	119.45	87.20	Shut-In(2)
220	1168.24	91.42	End Shut-In(2)
221	1797.33	101.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	3577 feet gas in pipe see gas report	0.00
0.00	gas sample w as taken	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19278

DST#: 8

Test Start: 2014.03.22 @ 10:45:00

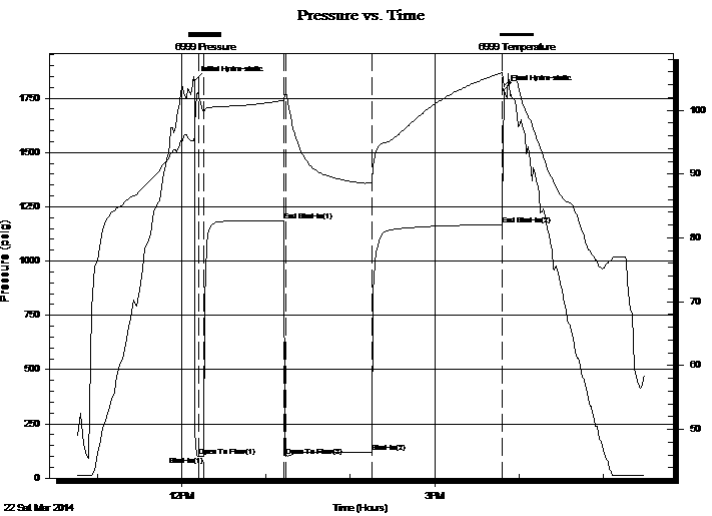
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:12:00
 Time Test Ended: 17:29:30
 Interval: **3616.00 ft (KB) To 3626.00 ft (KB) (TVD)**
 Total Depth: 3626.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend -25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 1168.12 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.22 End Date: 2014.03.22 Last Calib.: 2014.03.22
 Start Time: 10:45:00 End Time: 17:29:30 Time On Btm: 2014.03.22 @ 12:09:00
 Time Off Btm: 2014.03.22 @ 15:49:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute
 1st Shut-in 60 Minutes-Yes blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.65	95.93	Initial Hydro-static
3	99.86	102.42	Open To Flow (1)
7	99.95	99.57	Shut-In(1)
64	1186.32	101.53	End Shut-In(1)
65	99.28	102.66	Open To Flow (2)
127	118.19	88.55	Shut-In(2)
219	1168.12	105.86	End Shut-In(2)
221	1789.11	103.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	3577 feet gas in pipe see gas report	0.00
0.00	gas sample w as taken	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19278

DST#: 8

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

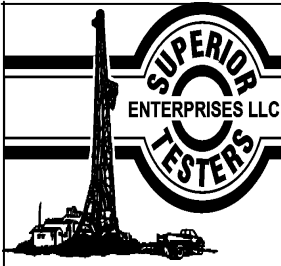
Tool Information

Drill Pipe:	Length: 3599.00 ft	Diameter: 3.80 inches	Volume: 50.48 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 50.48 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3616.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	30.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3601.00	
Hydraulic tool	5.00			3606.00	
Packer	5.00			3611.00	20.00 Bottom Of Top Packer
Packer	5.00			3616.00	
Recorder	1.00			3617.00	
Recorder	1.00			3618.00	
Anchor	5.00			3623.00	
Bullnose	3.00			3626.00	10.00 Bottom Packers & Anchor

Total Tool Length: 30.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19278

DST#: 8

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	mud	0.281
0.00	3577 feet gas in pipe see gas report	0.000
0.00	gas sample w as taken	0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

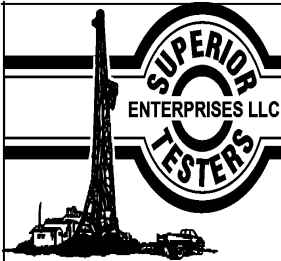
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19278

DST#: 8

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

Gas Rates Information

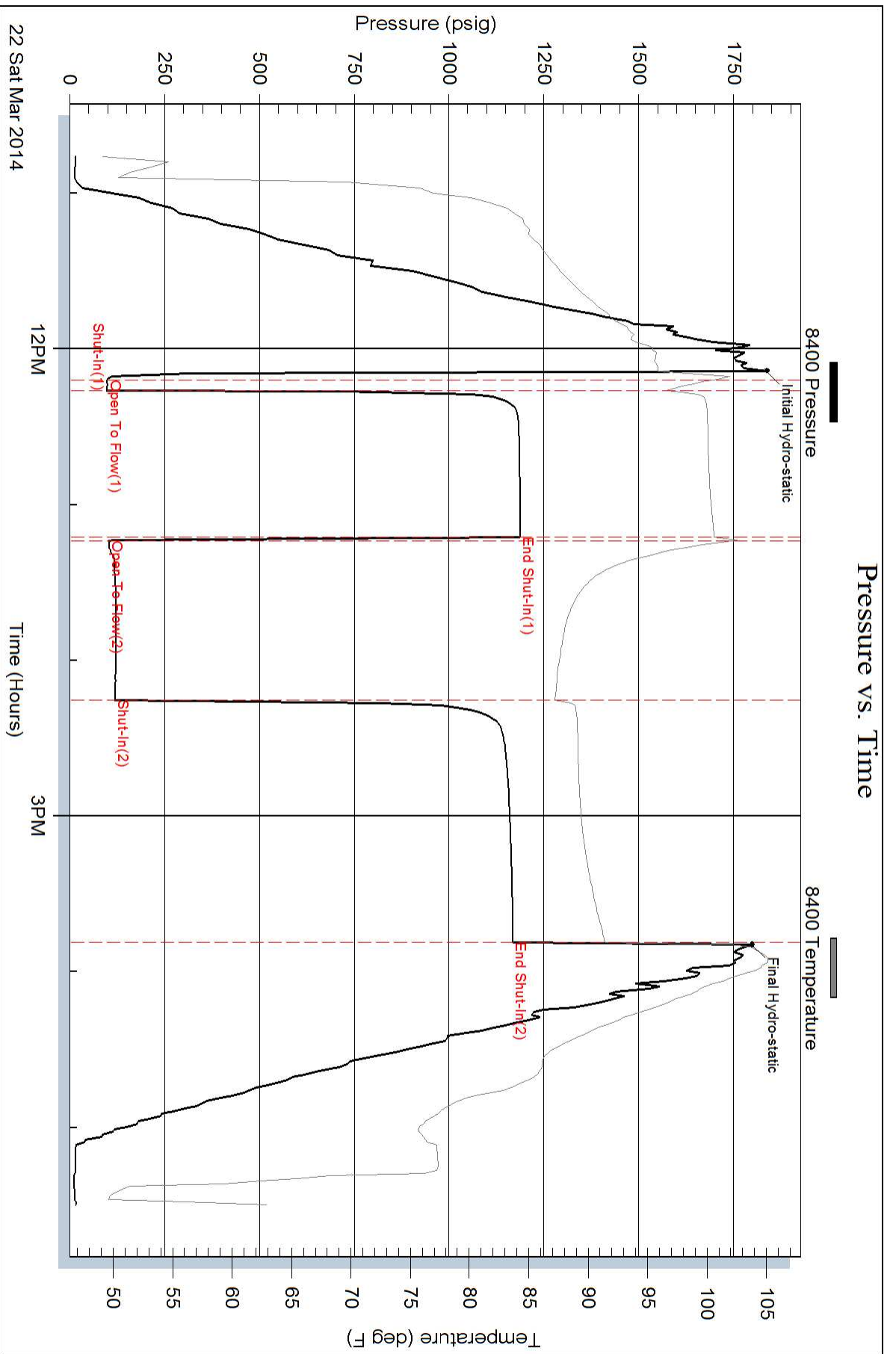
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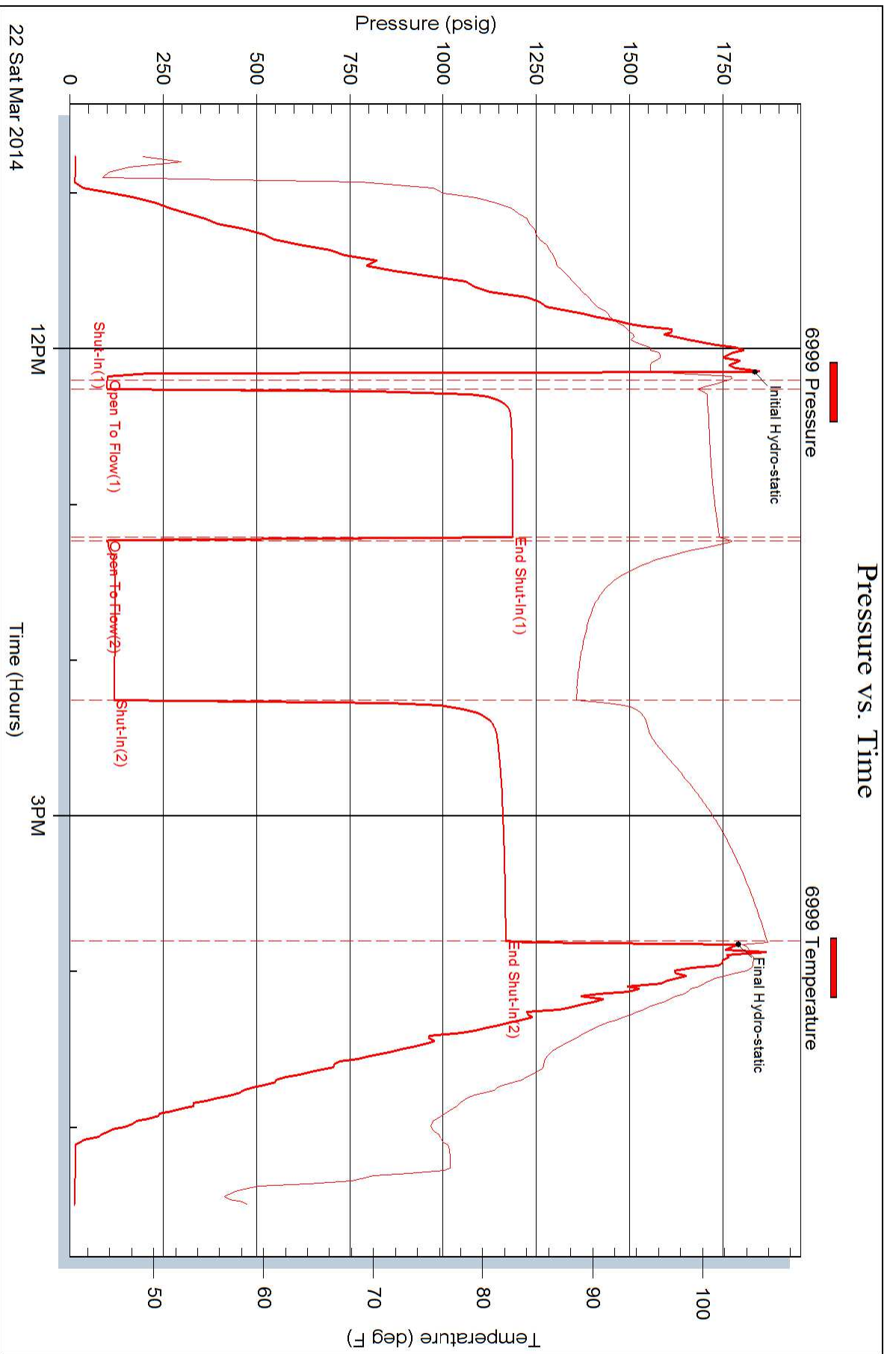
Relative Density: 0.65

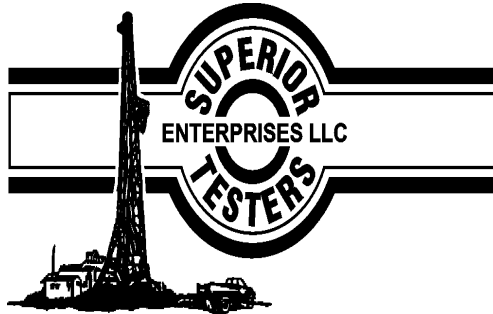
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	39.00	360.22
2	20	0.50	41.00	373.71
2	30	0.50	41.00	373.71
2	40	0.50	41.00	373.71
2	50	0.50	41.00	373.71
2	60	0.50	41.00	373.71







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Witchita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

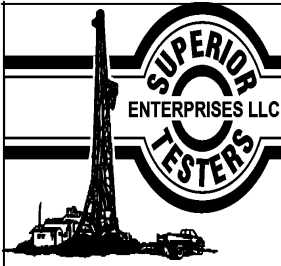
Start Date: 2014.03.23 @ 00:55:00

End Date: 2014.03.23 @ 08:25:30

Job Ticket #: 19279 DST #: 9

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.23 @ 10:01:55



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19279

DST#: 9

Test Start: 2014.03.23 @ 00:55:00

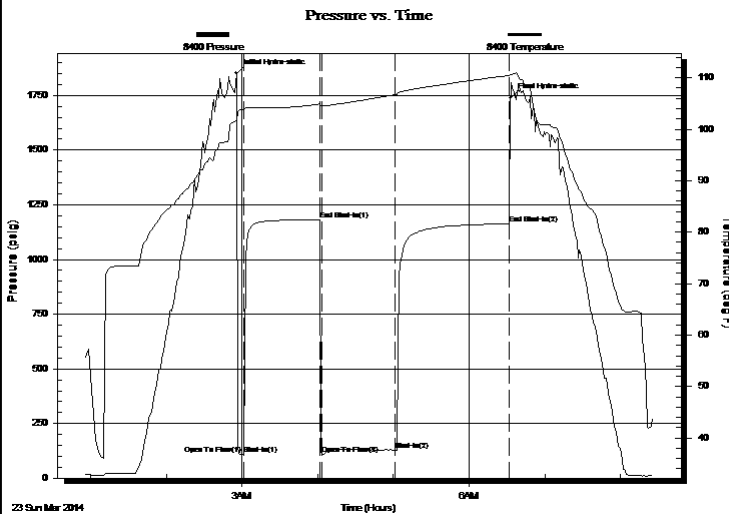
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:59:30
 Time Test Ended: 08:25:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-25
 Interval: **3627.00 ft (KB) To 3641.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3641.00 ft (KB) (TVD)
 1954.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 129.30 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.23
 Start Time: 00:55:00 End Time: 08:25:30 Time On Btm: 2014.03.23 @ 02:55:30
 Time Off Btm: 2014.03.23 @ 06:33:00

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket less than 1 minute
 1st Shut-in 60 Minutes-Yes blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket less than 1 minute see gas report
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.45	101.86	Initial Hydro-static
4	108.72	103.85	Open To Flow (1)
6	108.38	103.86	Shut-In(1)
67	1181.05	104.90	End Shut-In(1)
68	110.30	104.54	Open To Flow (2)
126	129.30	106.73	Shut-In(2)
216	1163.25	110.46	End Shut-In(2)
218	1739.33	110.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud cut oil 3 %oil 97%mud	0.28
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19279

DST#: 9

Test Start: 2014.03.23 @ 00:55:00

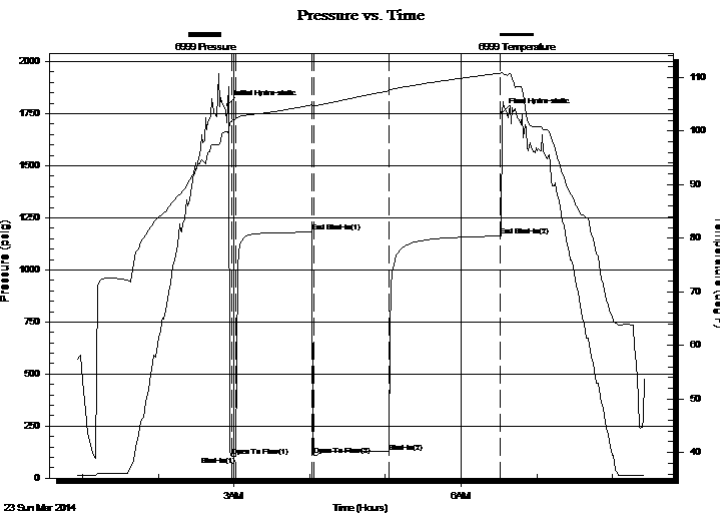
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:59:30 Tester: Jared Scheck
 Time Test Ended: 08:25:30 Unit No: 3320-Great Bend-25
 Interval: **3627.00 ft (KB) To 3641.00 ft (KB) (TVD)** Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3641.00 ft (KB) (TVD) 1954.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 1162.51 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.23
 Start Time: 00:55:00 End Time: 08:25:30 Time On Btm: 2014.03.23 @ 02:55:00
 Time Off Btm: 2014.03.23 @ 06:32:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket less than 1 minute
 1st Shut-in 60 Minutes-Yes blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket less than 1 minute see gas report
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.36	99.76	Initial Hydro-static
3	106.61	101.80	Open To Flow (1)
6	106.00	102.23	Shut-In(1)
67	1180.51	104.85	End Shut-In(1)
68	109.57	104.70	Open To Flow (2)
128	125.94	107.46	Shut-In(2)
216	1162.51	110.79	End Shut-In(2)
218	1752.81	110.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud cut oil 3 %oil 97%mud	0.28
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19279

DST#: 9

ATTN: Rene Husted

Test Start: 2014.03.23 @ 00:55:00

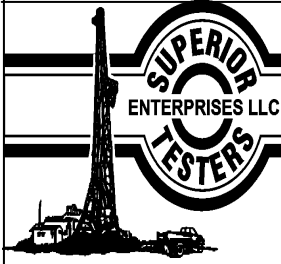
Tool Information

Drill Pipe:	Length: 3624.00 ft	Diameter: 3.80 inches	Volume: 50.84 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 50.84 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3627.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	29.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3617.00	
Hydraulic tool	5.00			3622.00	
Packer	5.00			3627.00	15.00 Bottom Of Top Packer
Recorder	1.00			3628.00	
Recorder	1.00			3629.00	
Anchor	9.00			3638.00	
Bullnose	3.00			3641.00	14.00 Anchor Tool

Total Tool Length: 29.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19279

DST#: 9

ATTN: Rene Husted

Test Start: 2014.03.23 @ 00:55:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 51.00 sec/qt
 Water Loss: 8.00 in³
 Resistivity: ohm.m
 Salinity: 6800.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig
 Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

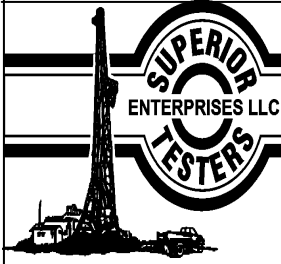
Length ft	Description	Volume bbl
20.00	mud cut oil 3 %oil 97%mud	0.281
0.00		0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19279

DST#: 9

ATTN: Rene Husted

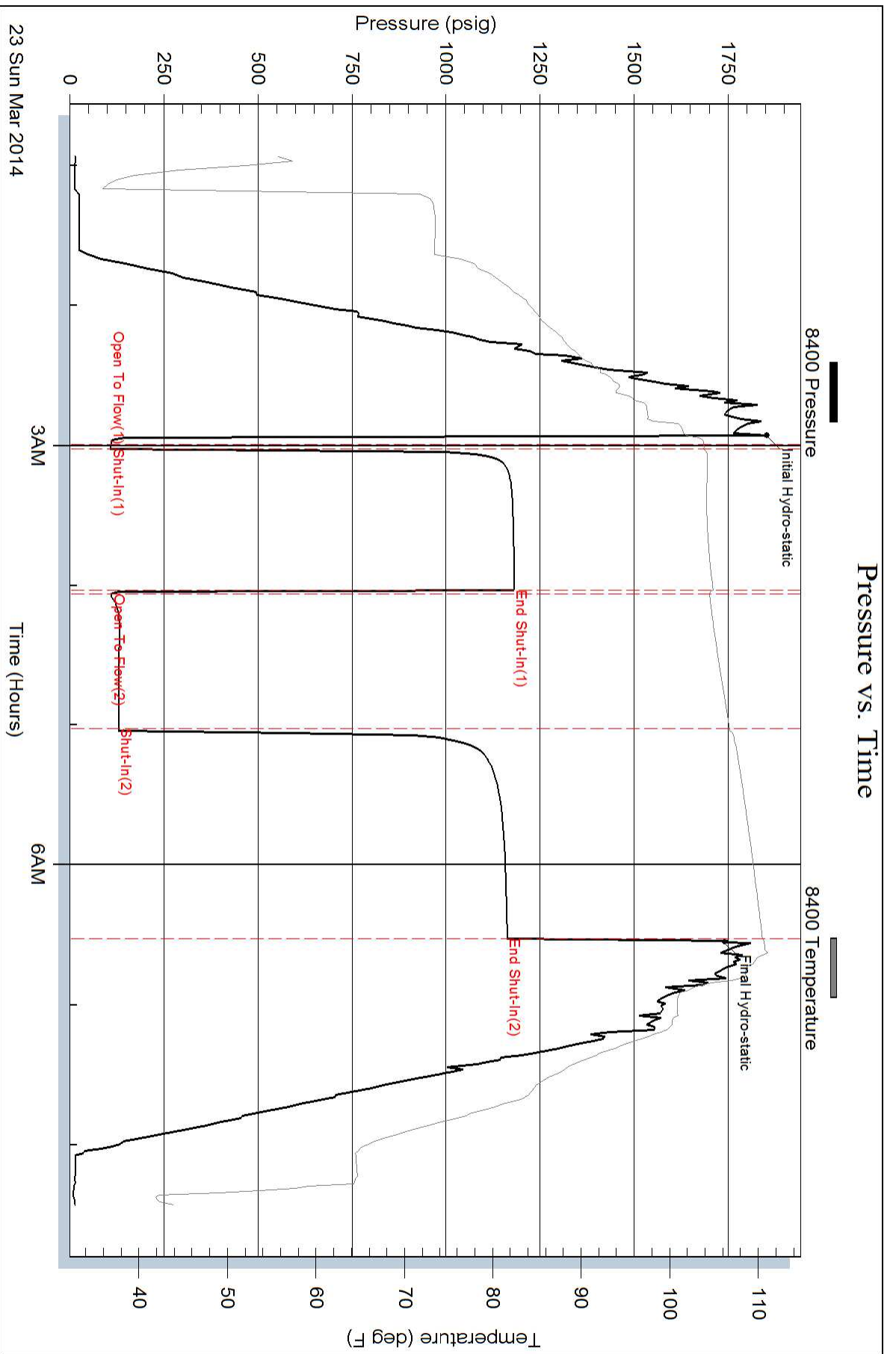
Test Start: 2014.03.23 @ 00:55:00

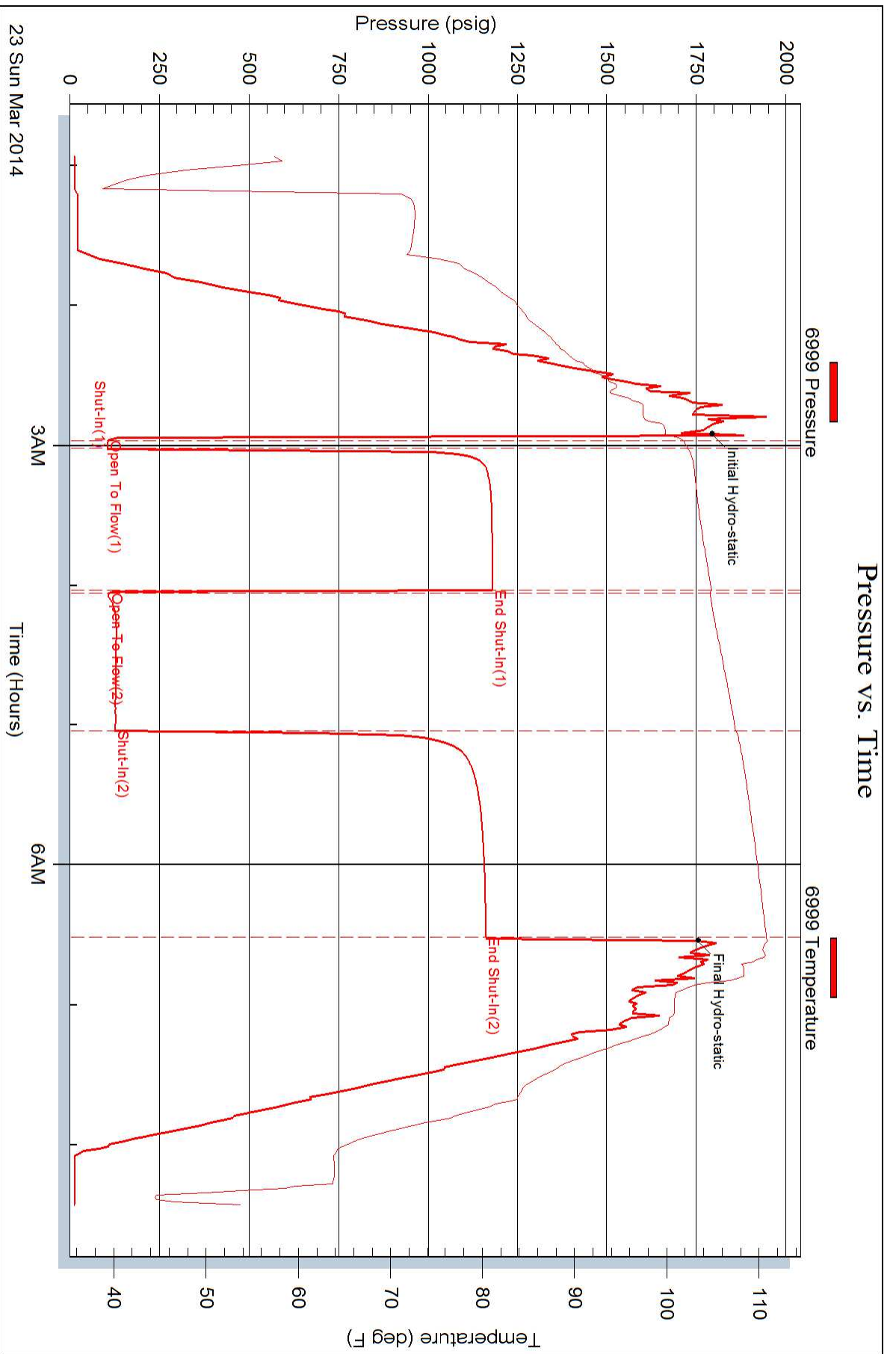
Gas Rates Information

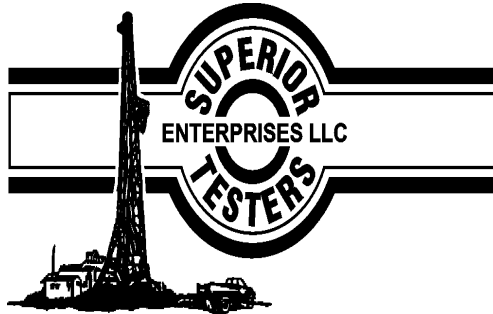
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	39.00	360.22
2	20	0.50	41.00	373.71
2	30	0.50	41.00	373.71
2	40	0.50	41.00	373.71
2	50	0.50	41.00	373.71
2	60	0.50	41.00	373.71







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company L.L.C**

9431 E Central Ste 100 Wichita KS
67206+2563

ATTN: Rene Husted

Romine Trust #3-1

1-20s-15w Barton

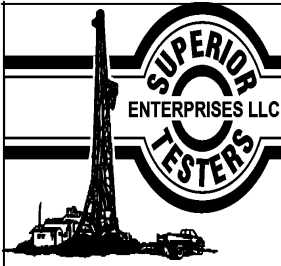
Start Date: 2014.03.23 @ 16:00:00

End Date: 2014.03.23 @ 22:27:00

Job Ticket #: 19280 DST #: 10

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.24 @ 00:06:15



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19280

DST#: 10

Test Start: 2014.03.23 @ 16:00:00

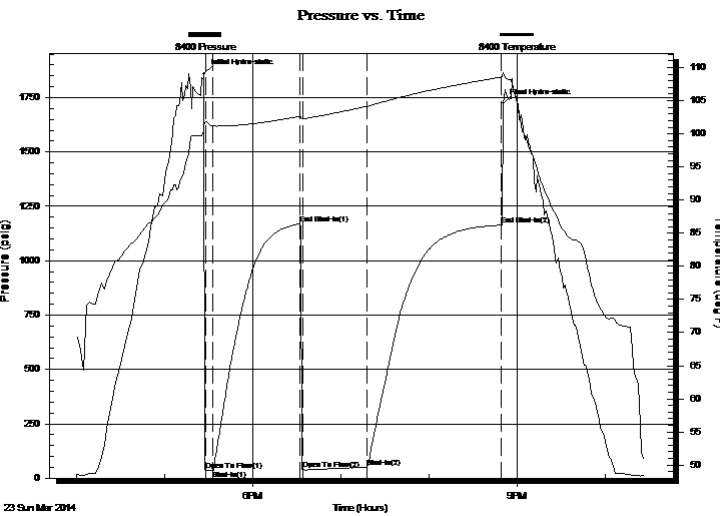
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:28:00
 Time Test Ended: 22:27:00
 Interval: **3642.00 ft (KB) To 3655.00 ft (KB) (TVD)**
 Total Depth: 3655.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-25
 Reference Elevations: 1964.00 ft (KB)
 1954.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8400

Press@RunDepth: 49.16 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.24
 Start Time: 16:00:00 End Time: 22:27:00 Time On Btm: 2014.03.23 @ 17:27:00
 Time Off Btm: 2014.03.23 @ 20:50:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute
 1st Shut-in 60 Minutes-Very weak
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-very weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.24	101.21	Initial Hydro-static
1	35.89	101.86	Open To Flow (1)
6	33.90	101.24	Shut-In(1)
65	1168.99	102.65	End Shut-In(1)
67	38.93	102.30	Open To Flow (2)
111	49.16	104.13	Shut-In(2)
202	1163.77	108.58	End Shut-In(2)
204	1723.28	109.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.84
0.00	3092 gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19280

DST#: 10

Test Start: 2014.03.23 @ 16:00:00

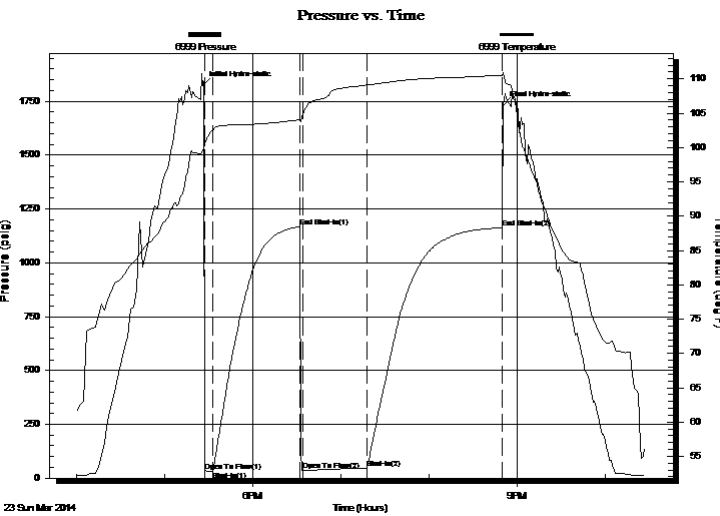
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:28:00 Tester: Jared Scheck
 Time Test Ended: 22:27:00 Unit No: 3320-Great Bend-25
 Interval: **3642.00 ft (KB) To 3655.00 ft (KB) (TVD)** Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3655.00 ft (KB) (TVD) 1954.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 1163.17 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.24
 Start Time: 16:00:00 End Time: 22:27:00 Time On Btm: 2014.03.23 @ 17:26:00
 Time Off Btm: 2014.03.23 @ 20:50:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute
 1st Shut-in 60 Minutes-Very weak
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-very weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.22	99.47	Initial Hydro-static
2	33.99	100.50	Open To Flow (1)
7	31.27	102.59	Shut-In(1)
66	1168.64	104.07	End Shut-In(1)
68	34.97	104.92	Open To Flow (2)
112	47.09	109.11	Shut-In(2)
204	1163.17	110.55	End Shut-In(2)
205	1732.35	110.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.84
0.00	3092 gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19280

DST#: 10

ATTN: Rene Husted

Test Start: 2014.03.23 @ 16:00:00

Tool Information

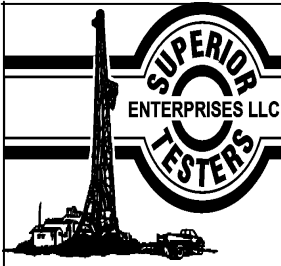
Drill Pipe:	Length: 3632.00 ft	Diameter: 3.80 inches	Volume: 50.95 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 50.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3642.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	28.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3632.00	
Hydraulic tool	5.00			3637.00	
Packer	5.00			3642.00	15.00 Bottom Of Top Packer
Recorder	1.00			3643.00	
Recorder	1.00			3644.00	
Anchor	8.00			3652.00	
Bullnose	3.00			3655.00	13.00 Anchor Tool

Total Tool Length: 28.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19280

DST#: 10

ATTN: Rene Husted

Test Start: 2014.03.23 @ 16:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.842
0.00	3092 gas in pipe	0.000

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

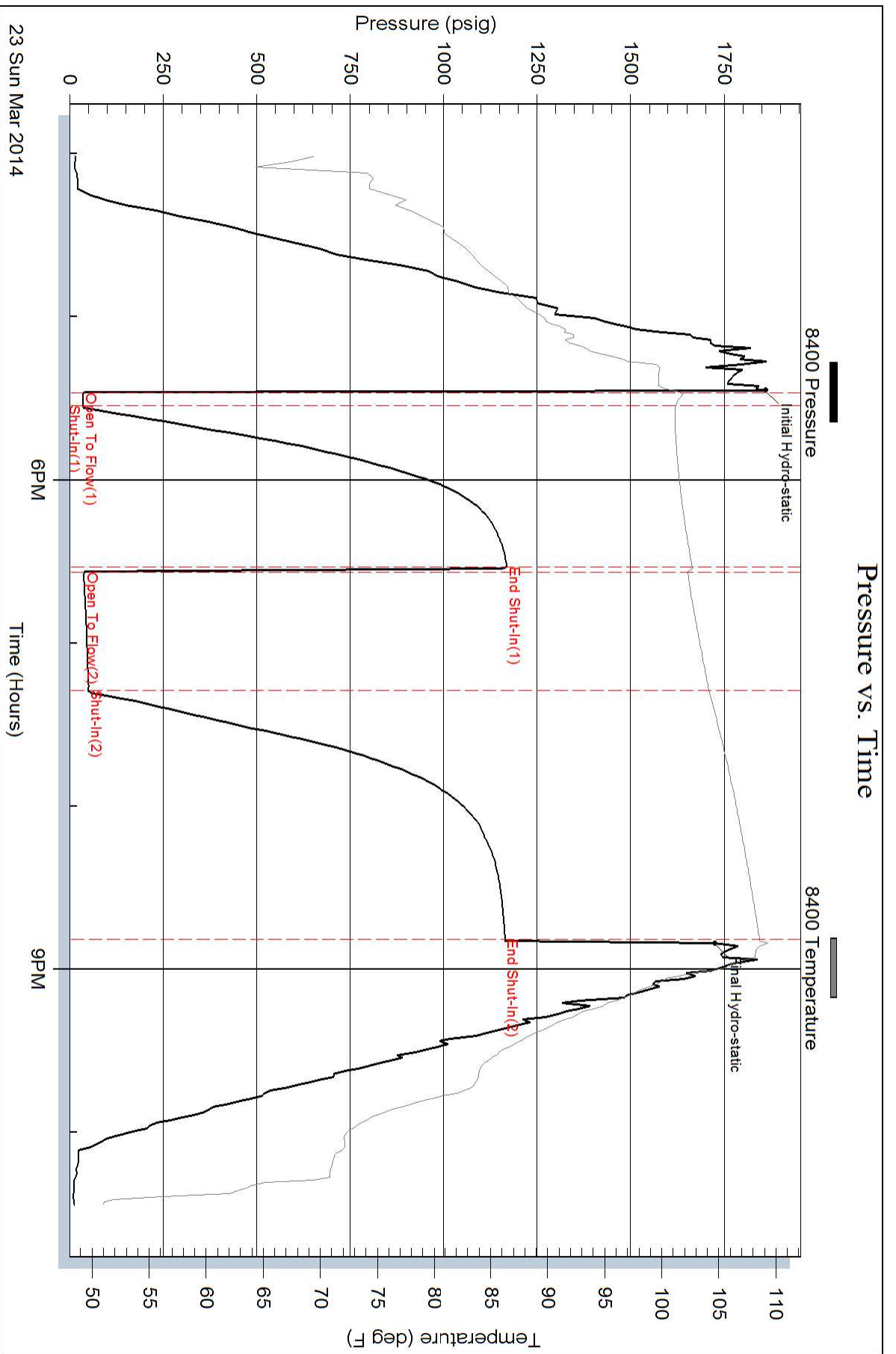
Num Gas Bombs: 0

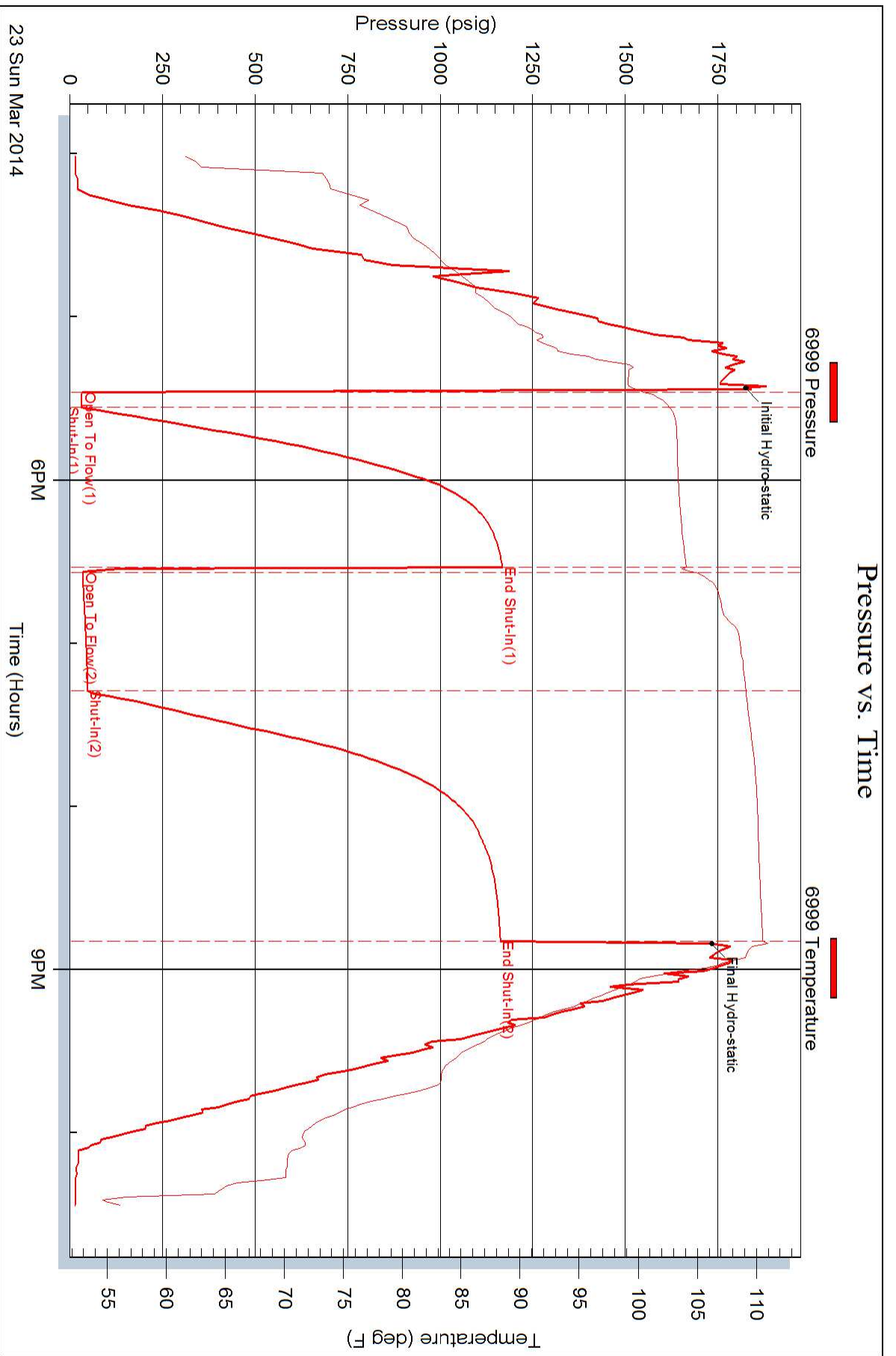
Serial #:

Laboratory Name:

Laboratory Location:

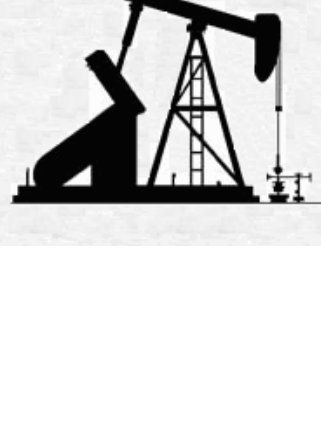
Recovery Comments:





WELLSITE GEOLOGIST'S REPORT

RENE HUSTEAD
CONSULTANT GEOLOGIST



Scale 1:240 (5" = 100') Imperial
Measured Depth Log

Well Name: Romine Trust No 3-1
Well Id:
Location: Sec 1 T20S R15W
License Number: 15-009-25,954-0000
Spud Date: March 14 2014
Surface Coordinates: 1060' FSL, 1300' FEL AND 20' E., 70' NOF C N/2 S/2 SE
Region: Barton Co
Drilling Completed: March 25 2014

Bottom Hole VERTICAL
Coordinates: 1955' K.B. Elevation (ft): 1963'
Ground Elevation (ft): 1700' **To:** 3800' **Total Depth (ft):** 3800'
Logged Interval (ft):
Formation: LANSING/KC
Type of Drilling Fluid: STARCH/CHEMICAL
 Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: F.G. Holl Company LLC
Address: 9431 E. Central, Suite 100
 Wichita, Kansas 67206

DRILLING CONTRACTOR:

DUKE RIG #2
 Double derrick; drill pipe 4.5" X H (16.6#); collars 6.25 x 2.25 x 357.68"; Bit; 7 7/8, Reed HP52, 3-14's; Reference datum 8 ft above ground level. Poor Boy's (Mars) Decker mechanical geologist.

SURFACE CASING:

Surface casing set 8 5/8 inches at 905' with 400 sacks cement
 Production casing set 5 1/2 inches at 3788' with 150 sacks cement

CIRCULATION SYSTEM:

Pump Make: EWCO, **Pump model:** 14W1400, **liner size** 6, **stroke** 14. **Starch mud** @ 1800' to 2590', **Chemical mud** @ 2590' to TD
Mud/Co/Service Mud, Inc.-Jason Whiting-Great Bend, Ks-620-282-0556

GAS DETECTION SYSTEM:

MBC Well Logging and Leasing - Analog Gas Detection.

OPEN HOLE LOGS:

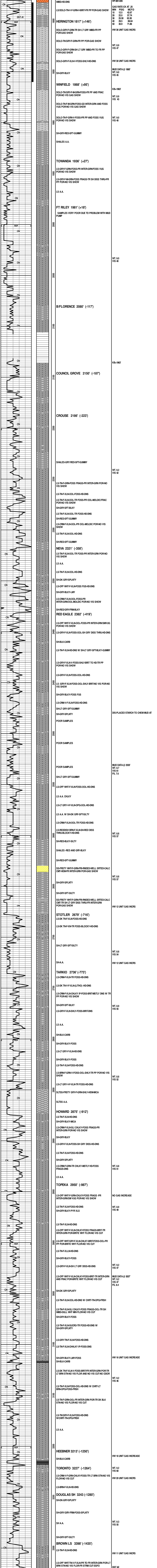
DN (PE), DI (SP), ML, Frac Finder; Log-Tech, Inc., Hays, KS., Y. Ruiz; Log total depth (3800) was 1 ft short to rotary total depth at (3799).

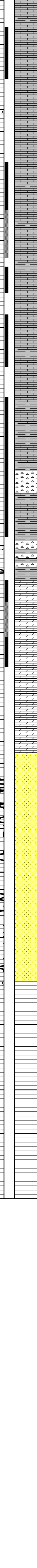
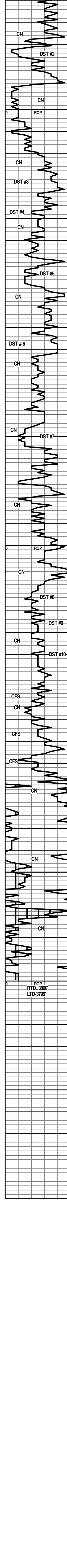
COMPLETION:

Production casing set on Lansing/KC and Arbuckle

Geologist Contact Info:

Name: Rene Husted
Company: Consultant
Address: 600 N. Winwood St.
 Gardner, Kansas 66030
Phone: (913) 908-3390





330
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850

LS A.A.
LS-TNF-XLN-FOSS-OOL-GD-INTER-PRT POR-LT BRN STN-VIS FLOR-GD STRM CUT-STRNG ODOR-FREE OIL-GAS BUB
LS-TNF-XLN-OOL-GD OOL-MOLDIC POR-NO VIS FLOR-NO VIS CUT
LS-TNF-XLN-OOL-GD OOL-MOLDIC POR W/ TR LT BRN STN
LS-GRY-F-XLN-FOSS-OOL-INTER-PRT POR-LT BRN STN-VIS FLOR-GD STRM CUT-FNT ODOR-FREE OIL
LS-TNF-XLN-FOSS-OOL-HD-DNS
LS-TN-GRY-F-XLN-FOSS-OOL-PR TO FR PP AND FOSS VUG POR-LT BRN STN-VIS FLOR-GDSTRM CUT-FNT ODOR-FREE OIL
LS-CRM-F-XLN-V-FOSS-OOL-FR INTER-PRT POR-LT BRN STN-VIS FLOR-NO VIS FLOR-FR STRM CUT-STRNG ODOR-FREE OIL
CHLK IN TRAY
LS-TNF-XLN-OOL-PR TO FR INTER-GRN-SM ISO VUG POR-LT BRN STN-VIS FLOR-FR STRM CUT-FNT ODOR- CHLK IN TRAY
LS-TNF-XLN-LT BRN EDGE STN-NO VIS FLOR-FNT FLSH CUT-NO ODOR
LS-TN-GRY-F-XLN-TR PR OOL-MOLDIC POR-TR LT BRN STN-BRITE-YEL FLOR-NO VIS CUT-NO ODOR CHLK IN TRAY
B/KANSAS CITY 3544' (-1581')
SH-RED-SNDY SH-GRY-SFT-BLKY
LS-TNF-XLN-HD-DNS
CHRT-RED-OPQ-FRSH
SHALES-RED-GRY-BLKY W' CHRT-TN-RED-OPQ-FRSH
SH-RED-GRY-SPLNTY-CHRT-TN-RED-OPQ-FRSH
SH AND CHRT A.A.
SH-RED-GRY-BLKY-CHRT-OFF WHT-OPQ-FRSH
ARBuckle 3616' (1653')
DOLO-TN-M-GRN-OOL-FR INTER-GRN-TM OOL-MOLDIC POR-TR LT BRN STN-NO VIS FLOR-FLSH CUT-V-STRNG ODOR-GAS SHOW
DOLO-CRM-M-GRN-SUCRO-PR INTER-GRN POR-TR LT BRN STN-NO VIS FLOR-FLSH CUT-STRNG ODOR-GAS SHOW
DOLO-TN-M-F-GRN-SUCRO-PR TO FR INTER-GRN POR-SCATT LT BRN STN-NO VIS FLOR-TR STRM CUT-STRNG ODOR-FREE OIL
DOLO A.A.
DOLO-CRM-CRS-GRN-RE-XLN-GD INTER-GRN LG VUG POR-LT BRN STN-V-DULL GLD FLOR-GD STRM CUT-FREE OIL-GD ODOR
DOLO-TN-CRS-GRN-RE-XLN-GD INTER-GRN VUG POR-LT BRN STN-SCATT YEL-GLD FLOR-GD STRM CUT-FREE OIL-GD ODOR
REGAN SD 3704' (-1741')
DOLO-SND CONTACT-DOLO-TN-F-GRN-SM VUG POR-LT BRN STN-NO VIS FLOR-FR STRM CUT-W' OPP SIDE QTZ-TRANS-FRAC-BLK MINERALS
QUARTZ-TRANS-FRAC WITH BLK MINERALS-NO VIS FLOR-NO VIS CUT
QUARTZ-A.A. NO VIS FLOR-NO VIS CUT
QUARTZ-TRANS-FRAC WITH BLK MINERALS-NO VIS FLOR-NO VIS CUT-W' SHALES-RED-GRY-BLKY
QUARTZ-A.A.-NO VIS FLOR-NO VIS CUT
QUARTZ-TRANS-FRAC-BLK-MINERALS-NO VIS FLOR-NO VIS CUT
QUARTZ A.A.
QUARTZ-TRANS-FRAC WITH BLK MINERALS-NO VIS FLOR-NO VIS CUT

HW 26 UNIT GAS INCRS
WT. 9.3
VIS 50
DST #3
REC-30 FT 1% SPOTTED OIL(1% OIL AND 99% MUD)
SIP-155-202
IBLWVWVW BLW BLT 4 INCHES IN 30 MIN
FLW-STRNG BLW BOB IN 1 MIN
SIP-145-50
FFLW-46-51
HP-1735-1682
MUD DATA @ 3364
WT. 4.8
VIS 48
FIL 8.8
HW 34 UNIT GAS INCRS
MUD DATA @ 3446
WT. 6.4
VIS 40
FIL 6.0
DST #4 HW 30 UNIT GAS INCRS
3446-3467
REC-400 FT WATER
IBLWVWVW BLW BLT BOB IN 6 MIN
FBLWVFR BLW BLT BOB IN 7 MIN
10/60/45/90
SIP-654-629
FBLW-135-326
HP-1721-1643
MUD DATA @ 3481
WT. 5.2
VIS 74
FIL 8.0
DST #5
3472-3484
REC-420 WATER
IBLWVWVW BLW BLT 3 IN INTO WATER IN 10 MIN
FBLWVWVW BLW BLT 9 INCHES IN WATER IN 45 MIN
10/60/45/90
SIP-887-876
IFLW-138-147
FBLW-161-160
HP-1700-1675
MUD DATA @ 3515
WT. 5.5
VIS 68
FIL 8.0
DST #6 HW 35 UNIT GAS INCRS
3494-3516
REC-3 FT MUD
IBLWVWVW BLW BLT 2 INCH DIED OFF
FBLWVWVW BLW BLW
15/30/15/30
SIP-352-127
IFLW-44-42
FBLW-44-42
HP-1765-1709
DST #7 HW 30 UNIT GAS INCRS
3520-3535
REC-3 FT OF MUD
IBLWVWVW BLW BLT 1/2 INCH IN 15 MIN
FBLWVWVW BLW DIDNT BLW
SIP-151-121
IFLW-63-63
FFLW-64-62
HP-1795-1722
MUD DATA @ 3626
WT. 5.1
VIS 51
FIL 8.0
DST #8 HW 100 UNIT GAS INCRS
3616-3626
REC-373.71 MCF/D
5/60/60/90
IBLWVWVW BLW BLT BOB IN 30 SEC-YES
BLWBK
FBLWVWVW BLW BLT BOB IN 1 MIN-YES-BLWBK
SIP-167-168
FFLW-103-119
HP-1836-1797
GAS RATE
CK IN .5
MIN PSIG MCF/D
10 39 360
20 41 373.71
30 41 373.71
40 41 373.71
50 41 373.71
60 41 373.71
MUD DATA @ 3641
WT. 5.3
VIS 61
FIL 8.0
DST #9 GAS DETECTOR OFF CHART
3627-3741
REC-373.71 MCF/D
IBLWVWVW BLW BLT BOB IN 1 MIN-BLWBK YES
FBLWVWVW BLW BOB IN 1 MIN-YES
BLWBK
SIP-1181-1163
IFLW-108-108
FFLW-110-129
HP-1851-1739
GAS RATE
CK IN .5
MIN PSIG MCF/D
10 39 360
20 41 373.71
30 41 373.71
40 41 373.71
50 41 373.71
60 41 373.71
MUD DATA @ 3721
WT. 5.2
VIS 59
FIL 7.2
DST #10
3642-3655
REC-40 FT GAS/OIL/MUD-35% GAS/35% OIL/30% MUD
3092 GIP
IBLWVWVW BLW BLT BOB IN 1 MIN-BLWBK-VERY WK
FBLWVWVW BLW BLT BOB IN 1 MIN-BLWBK-VERY WK
5/60/45/90
SIP-1169-1164
IFLW-36-34
FFLW-39-49
HP-1859-1723
NOTE: GAS DETECTOR OFF CHART @ 3626
MUD DATA @ 3800
WT. 9.5
VIS 48
FIL 9.2
LCM 1



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 10186 A

DATE _____ TICKET NO. _____

DATE OF JOB 3/26/2014	DISTRICT P...	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER FG HOIL CO. LLC	LEASE Romero Trust	WELL NO. 3-1								
ADDRESS	COUNTY Barton	STATE KS								
CITY	STATE	SERVICE CREW Darin, Ed, Aaron								
AUTHORIZED BY	JOB TYPE: CND/LongStuns									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
2728	1						3/26			5:30
19903	1					ARRIVED AT JOB	3/26			11:00
19843	1					START OPERATION	3/26			3:45
19959	1					FINISH OPERATION	3/26			4:15
73768	1					RELEASED	3/26			6:00
						MILES FROM STATION TO WELL	58			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	M2 Cement	SK	125		
CP103	60/40 P02	SK	75		
CC102	Cellofibre	Lb	32		
CC105	C-411 P	Lb	30		
CC111	SS11	Lb	562		
CC115	C-411	Lb	118		
CC129	FLA-322	Lb	118		
CC201	Gilsonite	Lb	1625		
CF607	Leica Down Plug & Ball (Blue)	EG	1		
CF1251	Down Plug & Ball (Blue)	EG	1		
CF1651	Down Plug & Ball (Blue)	EG	10		
CF1901	5/8" Ball (Blue)	EG	1		
CF2002	Cement Seals - Ross Type	EG	40		
CC154	Superfush	Gal	500		
E100	Unit - M Jesse Chaise Pickup	M	65		
F101	Hose, Equipment - M Jesse	M	130		
F113	Bulk Delivery	h/n	595		
CF201	Darin Chaise, 3001-4000	hrs	1		
CF240	Blenders & mixers Chaise	SK	200		

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: *Darin E...* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer FG Holl Co. LLC	Lease No.	Date 3/26/2014
Lease Romine Truss	Well # 3-1	
Field Order # 10186	Station Pratt, KS	Casing 5 1/2
Type Job CNW/Lonsstrings	Depth 3786'	County Barton
	Formation TD-3800'	State KS
		Legal Description 1-20-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				Pre Pad	Max		5 Min.	
Depth 3786'	Depth	From	To	Pad	Min		10 Min.	
Volume	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth 3772'	Packer Depth	From	To					

Customer Representative Rob Long	Station Manager Kevin Gordley	Treater Darin Franklin
Service Units 27283 19903 19843 19959 73768		
Driver Names Darin Ed Ed Aaron Aaron		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3/25 11:00 pm					On location / SS Perf meeting
					Run 9 Jts 5 1/2 - 3786'
					Run HFU Floc shoe, latch down plus & BSRT
					Run Turbolizers 3, 4, 5, 6, 10, 11, 12, 13
					BSRT + bottom of Jt #7
					TGS bottom, Drop BSRT, Break Circulation
3:45	500		5	6	Pump 5 Bbls water
3:46	500		12	6	12 Bbls super flush
3:48	500		5	6	5 bbls water
3:59	100		7	3	Plus Bst hole with 30 sy 60/40
3:56	100		5	3	Plus mouse hole with 20 sy 60/40
4:00	400		6	6	Pump 25 sy SCSV sensor cement 60/40
4:01	400		32	6	Pump 125 sy AA 2 cement, 1% C-15
					.25% C-41, 1% C-44, 5% Gypsum
					10% SRT, 25# Cellofloc, 10# Gtson + e
					15.0 ppg, 5.37 water Recy, 1.43 Vels
4:07					Stop / wsh lines / Release Plus
4:20	200		0	6	Start Displacement with water
4:32	400		60	6	Lift pressure 9 + 60 hbls
4:36	600		80	3	Slow rec to 3 bpm
4:40	1500		90	3	Bump plus / Release Job Complete



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 10182 A

DATE _____ TICKET NO. _____

DATE OF JOB: 3/13/14		DISTRICT: Proctor		NEW WELL <input type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: FG Hall Co LLC				LEASE: Romeo Tract				WELL NO.: 3-1							
ADDRESS:				COUNTY: Brown				STATE: KS							
CITY:				STATE:				SERVICE CREW: DeLoe, F...							
AUTHORIZED BY:				JOB TYPE: CNU/SURFACE											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
27293	1						3/13/14			6:00					
19889	1						3/13/14			5:00					
19955	1						3/13/14			4:00					
73768	1						3/13/14			5:00					
						MILES FROM STATION TO WELL: 60									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Deon Vasquez
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CD101	A Can Blew Cannon	SK	200		
CP100C	Common Cannon	SK	200		
CC102	Collar Pipe	Lb	100		
CC105	CSKING Chisel	Lb	940		
CF105	TOP RUBBER PLUG	Fs	1		
CF1753	Concrete 8 1/2 (Blue)	Fs	3		
E100	Unit + M. Jesse Chisel - Pickup	mi	65		
E101	Heavy Equipment + M. Jesse	mi	130		
E113	Bulk Delivery	tn/m	1222		
CF201	Deep Chisel 50ft - 1000	SK	1		
CF240	Blowdown M. Jesse Service Chisel	SK	400		
CF501	Plug Container Unit 29 on Chisel	Job	1		
5003	Service Supervisory Plus 8 hrs on loc	Fs	1		

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Deon Vasquez THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Deon Vasquez
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



energy services, L.P.

TREATMENT REPORT

Customer FG Hill Co LLC	Lease No.	Date 3/13/2011	
Lease Romina Trust	Well # 3-1		
Field Order # 10182	Station Pratt, KS	Casing 8 5/8	Depth 905
Type Job CNW/surface	Formation TD-906	County Barton	State KS
		Legal Description 1-20-15	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid Fresh water		RATE	PRESS	ISIP
Depth 905	Depth	From	To	Pre Pad		Max		5 Min.
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 885	Packer Depth	From	To	Flush Fresh water		Gas Volume		Total Load

Customer Representative Dean - Duran 2	Station Manager Kevin Goidier	Treater Dean Franklin
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Service Units 27283	19889	19883	19959	73768				
Driver Names Dean	Ed	Fa	MUCK	MUCK				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00am					On location / Safety meeting Run 23 JIS 8 5/8 casing 905' Run Cement 1, 10, 21 Run Rubber Plug, Lenzing 500 TGS bottom & check circulation
3:00pm	200		3 88 88	6	Pump 3 bbls water spacer Pump 200 sr A-Con Black Cement 80% C ₂ H ₅ , 20% C ₂ H ₅ , 2% Gypsum, 2% H ₂ O
	200		43	6	Cellulose, 12.6 ppg, 14.45 wsg, Ppg, 2.47 vol Pump 200 sr Common Cement, 2% O.C.C., 2% H ₂ O Cellulose, 15.6 ppg, 5.23 wsg, Ppg, 1.20 vol
	200		0	5	STOP / Wash Lines / Discharge Plus
	400		45	3	Start discharge cement with water
4:00pm	400		55	3	Slow rate to 300pm Bump plug / Shut in Release - Wash out Circulate 20 bbls cement to pit
3:00pm					Job Complete Thank you!!!